AEngrP-2(B)

LAND FORCES

COMBAT ENGINEER MESSAGES, REPORTS AND RETURNS

(Reverse blank)

NORTH ATLANTIC TREATY ORGANIZATION

NATO STANDARDIZATION AGENCY (NSA)

NATO LETTER OF PROMULGATION

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1. AEngrP-2(B) – LAND FORCES COMBAT ENGINEER MESSAGES, REPORTS AND RETURNS is a NATO/PfP UNCLASSIFIED publication. The agreement of nations to use this publication is recorded in STANAG 2430.

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(Reverse blank)

RECORD OF CHANGES

Identification of change	Date entered	NATO effective date	By whom entered

TABLE OF CONTENTS

CHAPTER 1

INTRODUCTION AND GUIDANCE ON USE

101. INTRODUCTION

1. This introduction should be read by the user of AEngrP-2(B) before attempting to send messages using the format provided.

2. The purpose of this chapter is to:

   a. Provide background to the development and scope of AEngrP-2(B).

   b. Describe the outline contents of the other chapters.

   c. Provide general instructions on completing message formats.

   d. Draw attention of the users to the requirement for change control procedures.

102. BACKGROUND

1. AEngrP-2(B) is the document produced as a result of NATO Study 2430. The study was authorized by MAS Army Board to develop engineer Information Exchange Requirements (IER). Once developed the IERs were to be submitted to the Operational Procedures Working Party which was coordinating the production of IERs from all functional areas as part of study 2434 for which it was responsible.

2. NATO Study 2434 was tasked with producing APP-9 , the Compendium of Allied Land Force Messages. These messages were intended for use down to battalion level. AEngrP-2(B) forms a part of APP-9. A further remit was to pass harmonized IERs to the Allied Data Systems Interoperability Agency (ADSIA). ADSIA's task was to convert IERs into a format which could be incorporated into future automated information systems throughout NATO static and field HQs.

103. MESSAGE LIST SUMMARY

1. A message list summary, including a brief description of the purpose of each message, report and return, is included at Annex A.

104. CHAPTER 2 CONTENTS OUTLINE - RESPONSE LIST SUMMARY

1. The response list provides a series of lists which may or may not be referenced in a message. These agreed values permit a selection of inputs using numbers or letters to support the message content. These lists are referenced in the message field name (e.g. LIST AB).

105. CHAPTER 3 CONTENTS OUTLINE - MESSAGE REPORTS AND RETURNS

1. The messages, reports and returns in Chapter 3 have been grouped into sections.

Section 1. Engineer messages below brigade level, within engineer units.
Section 2. Engineer messages Brigade/Division/Corps
Section 3. Engineer related all-arms messages
Section 4. Engineer Messages above Corps level

2. General instructions relating to the usage of these messages, reports and returns are contained at the start of each message.

106. CHAPTER 4 CONTENTS OUTLINE - FIELD AND MESSAGE MATRIX

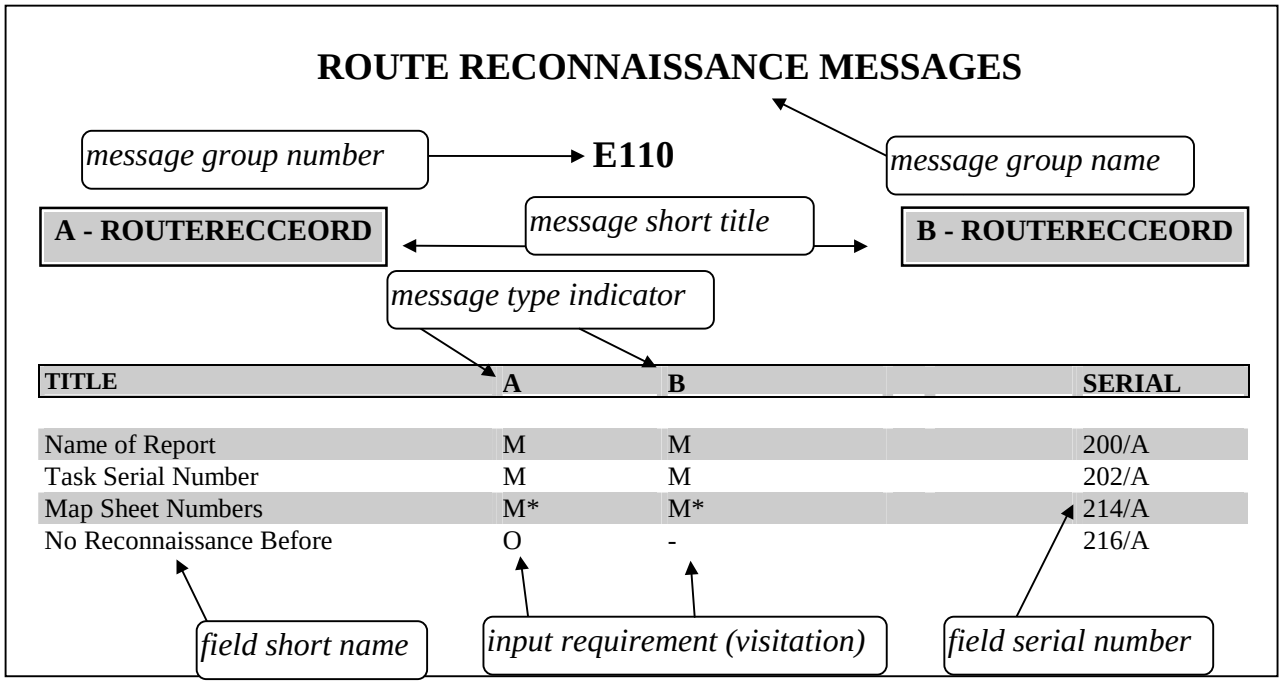
1. Chapter 4 contains the Field and Message Matrix showing the field serial numbers as they appear in messages.

107. CHAPTER 5 CONTENTS OUTLINE - DATA FIELD DEFINITIONS

1. Chapter 5 contains a simplified data dictionary. It comprises of a list of all the fields used in the messages, reports and returns with a definition of each field and an example showing the specification of the permitted input. An explanation of field specifications is included at the start of Chapter 5.

108. GENERAL INSTRUCTIONS

1. Messages, reports and returns in Chapter 3 have a number of common features. These features are explained in the following sub paragraphs to provide the user with a general guide to completing the message formats. An example of part of a message is given below:



a. Message group number/type indicator. The message group number is given to each message. The type indicator shows its relevance to that group i.e. Request, Release, Recce Order, Recce Report Execution Order.

b. Message Short Title. Within the automated system messages will be recognized by Message Short Titles, these are limited to 8 characters in length.

c. Field short name and serial numbers. Each message is made up of a series of fields which contain information. Each field has a unique serial number which identifies that particular field. Field serial numbers are always composed of 3 numbers and one letter, they allow easy field referencing throughout the document.

d. Input visitation. Each field in the messages in Chapter 3 will have a letter alongside it indicating the type of input expected. An asterisk may be placed next to this letter. The input types are described here:

(1). M - (Mandatory). A mandatory field is a field which must be completed. If there is no information to convey insert a hyphen "-".

(2). C - (Conditional). A conditional field must be completed if a preceding field which triggers the condition has been completed with information.

(3). O-(Optional). An optional field is one which does not have to be completed unless there is information to convey. Optional field can be ignored if not required.

(4). * (Repeatable). An asterisk can be associated with an M, C or O to indicate that the field may be repeated.

109. MANUAL SYSTEM

1. AEngrP-2(B) has been developed for use in future automatic systems. Any manual system would be developed nationally.

110. CHANGE CONTROL

1. Requests for changes, amendments or additions to AEngrP-2(B) are to be passed to national delegates. These in turn will be passed to the Custodian for consideration at the next Combat Engineer Working Party or the next Engineer Standardization and Doctrine Committee

MESSAGE LIST SUMMARY

Message Number	TITLE	SHORT TITLE	PURPOSE OF MESSAGE
a	b	c	d
ENGINEER MESSAGES BELOW BRIGADE LEVEL -WITHIN ENGINEER UNITS			
E102A	Engineer Task Status Report	ENGTASKREP	To disseminate information relating to task reconnaissance or execution.
E103A	Engineer Materiel Request and Release	ENGMATREQREL	To disseminate information relating to the request and release of engineer materiel
E104A	Engineer Unit Status Report	ENGSTATREP	To disseminate information relating to the reporting of sub-unit status to engineer battalion level.
E110A	Route Reconnaissance Order	ROUTERECCEORD	To disseminates information relating to route reconnaissance tasks at battalion level and below.
E110B	Route Reconnaissance Report	ROUTERECCEREP	
E111A	Road, Bridge and Tunnel Recce Order	RBTRECCEORD	To disseminate information relating to the specific repair, technical reconnaissance or maintenance task along a section of a route.
E111B	Road, Bridge and Tunnel Recce Report	RBTRECCEREP	
E111C	Road, Bridge and Tunnel Repair Execution Order	RBTMAINTORD	
E111D	Road, Bridge and Tunnel Repair Completion Report	RBTMAINTREP	
E112A	Crossing Site Recce Order	GAPRECCEORD	To disseminate information relating to gap crossing sites.
E112B	Crossing Site Recce Report	GAPRECCEREP	
E112C	Crossing Site Execution Order	GAPORD	
E112D	Crossing Site Completion Report	GAPREP	

a	b	c	d
E113A	Minefield Breaching/Clearing Recce Order	MINCLRRECCEORD	To disseminate information relating to the breaching and clearing of minefields by friendly forces.
E113B	Minefield Breaching/Clearing Recce Report	MINCLRRECCEREP	
E113C	Minefield Breaching/Clearing Execution Order	MINCLRORD	
E113D	Minefield Breaching/Clearing Completion Report	MINCLRREP	
E120A	Obstacle Recce Order	OBSRECCEORD	To disseminate information relating to existing friendly and enemy obstacles and future friendly obstacles Note: **Not** to be used for Bridge Demolition, friendly forces minelaying operations and breaching or clearing minefields.
E120B	Obstacle Recce Report	OBSRECCEREP	
E120C	Obstacle Execution Order	OBSEXORD	
E120D	Obstacle Execution Report	OBSEXREP	
E121A	Bridge Demolition Recce Order	BRDMLRECCEORD	To disseminate information relating to preliminary and reserved demolitions.
E121B	Bridge Demolition Recce Report	BRDMLRECCREP	
E121C	Bridge Demolition Execution Order	BRDMLORD	To order **preliminary demolitions only** (Reserved demolition is an all arms message - see E302).
E121D	Bridge Demolition Completion Report	BRDMLREP	To report execution of **all** bridge demolitions.
E122A	Minefield Laying Recce Order	MINLAYRECCEORD	To disseminate information relating to minefields laid by friendly engineer troops.
E122B	Minefield Laying Recce Report	MINLAYRECCEREP	
E122C	Minefield Execution Order	MINLAYORD	
E122D	Minefield Completion Report	MINLAYREP	
E130A	Survivability Recce Order	SURRECCEORD	To disseminate information relating to survivability tasks.
E130B	Survivability Recce Report	SURRECCEREP	

a	b	c	d
E130C	Survivability Execution Order	SURORD	
E130D	Survivability Completion Report	SURREP	
E140A	General Engineer Support Recce Order	ENGGSRECCEORD	To disseminate information relating to all general engineer support tasks, or tasks which do not fall under the category of mobility, counter-mobility or survivability.
E140B	General Engineer Support Recce Report	ENGGSRECCEREP	
E140C	General Engineer Support Execution Order	ENGGSORD	
E140D	General Engineer Support Completion Report	ENGGSREP	

ENGINEER MESSAGES - BRIGADE TO CORPS

E201A	Engineer Recce Order	ENGRRECCEORD	To disseminate information relating to mobility, counter-mobility and general engineer support tasks.
E201B	Engineer Recce Report	ENGRRECCEREP	
E202A	Engineer Annex to the Operation Order	ENGOPO	To disseminate information required in the Engineer Annex to a Formation Operation Order.
E203A	Engineer Report	ENGREP	To disseminate information relating to task progress and unit combat effectiveness.
E204A	Engineer Unit Status Report	ENGRDATAREP	To disseminate effective unit and asset details.

E140A	General Engineer Support Recce Order	ENGGSRECCEORD	To disseminate information relating to all general engineer support tasks, or tasks which do not fall under the category of mobility, counter-mobility or survivability.
E140B	General Engineer Support Recce Report	ENGGSRECCEREP	
E140C	General Engineer Support Execution Order	ENGGSORD	
E140D	General Engineer Support Completion Report	ENGGSREP	

ENGINEER RELATED ALL ARMS MESSAGES

a	b	c	d
E301A	Scatterable Minefield Request	SCATMINREQ	To disseminate information relating to friendly scatterable mine activity.
E301B	Scatterable Minefield Order	SCATMINORD	
E301C	Scatterable Minefield Warning	SCATMINWARN	
E301D	Scatterable Minefield Report	SCATMINREP	
E301E	Scatterable Minefield Record	SCATMINREC	
E302A	Reserved Demolition Order	DMLORD	To disseminate information relating to the execution of a reserved demolition
E303A	Obstacle Report	OBSREP	To allow All Arms to report obstacles encountered
E304A	Resources Intelligence Report	ENGRRESREP	To disseminate resources related information
E305A	Friendly Obstacle List (Barrier Report)	BARREP	To disseminate information on friendly obstacles from formation to unit level
E306A	Intent to Lay Minefield Report	INTTOLAY	To disseminate information relating to a tactical commanders intent to lay a minefield
E307A	Engineer Spot Report	ENGRSPOTREP	To supplement information provided in last ENGRSITREP. It should include events that are of sufficient operational importance that they demand transmission outside the normal reporting cycle.

ENGINEER MESSAGES - ABOVE CORPS LEVEL

a	b	c	d
E401A	Engineer Situation Report	ENGSITREP	To report the status of the engineer force structure, engineer operations planned and in progress and engineer logistic status above Corps level

RELATED STANAGs AND OTHER DOCUMENTS

1. PROCEDURES

a. Several engineer procedures have been standardised in STANAGs as listed below:

(1) 2017 Orders to the Demolition Guard Commander and Demolition Firing Party Commander (Non-Nuclear).

(2) 2036 Land Mine Laying, Marking, Recording and Reporting Procedures.

(3) 2123 Obstacle Folder.

(4) ATP-52 Land Force Combat Engineer Doctrine.

(5) 2395 Water Crossing Procedures.

(6) 2889 Marking of Hazardous Areas and Routes Through Them.

(7) 2989 Transfer of Barriers.

b. These principles and procedures enable NATO engineers to carry out their role in combined arms operations in a standard way, regardless of the fact that different equipment's are being used. They also permit the transfer of obstacles in a rapidly changing tactical situation. This is essential in cases where in-place forces are augmented by formations from allied nations. In addition, in the case of a counter-attack, it enables the engineers supporting the attack to overcome many of the obstacles laid by allied engineers speedily and with reduced danger to the combat troops they support.

c. Accurate documentation and adherence to the agreed procedures are essential.

2. STANAGs

a. Other Engineer STANAGs which are significant on the battlefield are:

(1) 2021 Military Computation of Bridge, Ferry, Raft and Vehicle Classifications.

(2) 2096 Reporting Engineer Information in the Field.
(3) 2885 Emergency Supply of Water in War.

(4) AAP-19 NATO Combat Engineer Glossary.

b. STANAGs which are not specifically for engineers, but nevertheless are relevant to engineer operations are listed below:

(1) 2002 Warning Signs for the Marking of Nuclear, Biological and Chemical Contaminations.

(2) 2010 Military Load Classification Markings.

(3) APP-6 Military Symbols for Land-Based Systems.

(4) AMovP-1 Regulations and Procedures for Road Movements and Identification of Movement Control and Traffic Control Personnel and Agencies.

(5) 2029 Methods of Describing Ground Locations, Areas and Boundaries.

(6) 2101 Establishing Liaison.

(7) 2136 Minimum Standards of Water Potability during Field Operations and in Emergency Situations.

(8) 2259 MGD - Terrain.

(9) 2269 MGD - Engineer Resources.

(10) 2818 Demolition Materiel: Design, Testing and Assesments.

(11) 2929 Airfield Damage Repair (ADR).

(12) 5621 Standards for the Interoperability of NATO Land Combat and Combined Operations Systems.

3. **DOCUMENTS.**

a. Information Exchange Requirements and associated Flow Charts to support the messages in AEngrP-2(B) are held by the Custodian (UK)

CHAPTER 2

DATA FIELD RESPONSE LISTS

LIST	A
A	Recce Order
B	Recce Report
C	Execution Order
D	Completion report

LIST	B
TA	Tactical Minefield
NU	Nuisance Minefield
PR	Protective Minefield
PH	Phony Minefield

LIST	C
A	Area
H	Anti-helicopter
N	No mines
O	Off-route
P	Antipersonnel
T	Antitank
U	Unknown
D	Other Device

LIST	D
AS	Artillery Scattered
GS	Ground Scattered
FS	Fast air Scattered
HB	Hand-Buried
HS	Hand-Surface laid
LS	Helicopter Scattered
MB	Mechanical-Buried
NS	Mechanical-Surface laid

LIST	E
BE	Berm
MF	Minefield
WO	Barbed Wire Obstacle
TD	Antitank Ditch
AB	Abatis
BP	Beam Post Obstacle
FB	Falling Block Obstacle
BT	Booby Traps
DT	Dragon Teeth
CR	Road Crater
DM	Demolition
RI	Waterway
FL	Flooding
LS	Landslide
UX	UXO
DG	Dry Gap
OT	Other (see remarks)
AN	Antennas
AT	Anti Tank
AP	Anti-Personnel
AF	Apron Fences
BD	Bridge Demolition
SB	Cable Stayed Balloons
CH	Chemical
CN	Contamination Nuclear
CB	Contamination Biological
CC	Contamination Chemical
RA	Curved Rails
FE	Fence
FD	Ferry Access Demolition
FN	Floating Nets
FO	Floating Objects
HT	High Tension Cables
IG	Inundated Grounds
KR	Knife Rests
MA	Mast
MB	Multi-Purpose Barrier
PL	Power Line
RR	Railroad Demolition
RD	Road Demolition
SM	Smoke
TL	Telephone Line
TH	Tetrahedrons
TO	Tower
TB	Tree Blowdown
TU	Tunnel Demolition
VE	Vehicle
DU	Dummy

LIST	F
L	Lane
G	Gap

LIST	G
E	Estimated
A	Allocated
U	Used

LIST	H
00	Task not started
01	Task started
02	Work 25% complete
03	Work 50% complete
04	Work 75% complete
05	Work 100% complete
06	State 1 now (demolition)
07	State 2 now (demolition)
08	Task complete
09	Abandoned incomplete
10	Task handed over

LIST	I
A	Engineer Material Request
B	Engineer Material Release Order

LIST	J
GR	Gradient
HC	Horizontal Curve (m)
HI	Height (m)
WI	Width (m)

LIST	K
AO	Artificial Obstacle
OR	Overhead Restriction
SC	Sharp Curve
SG	Steep Gradient
WR	Width Restriction
SF	Surface Condition
ML	MLC
HB	Hump Back or Ramp
OT	Other

LIST	L
RD	Road
BR	Bridge
TU	Tunnel

LIST	M
01	Sand
02	Potholes/Rutting
03	Landslide
04	Snow/Ice
05	Flooding
06	No or Soft Shoulders
07	Wash Out
OR	Overhead Restriction
SC	Sharp Curve
SG	Steep Gradient
WR	Width Restriction
ML	MLC
HB	Hump Back Bridge
OT	Other

LIST	N
AS	Asphalt
BS	Wood/Timber
BN	Concrete
BA	Reinforced Concrete
BP	Prestressed Concrete
CX	Pebble
GS	Gravel
ML	Metal
MN	Brick/Masonry
PE	Cobblestone
RE	Rock
SN	Snow/Ice
TE	Earth
VE	Silt
SD	Sand
DS	Miscellaneous

LIST	0
A	Motorway/Expressway
B	Mainroad/Highway
C	Regional/Secondary Road
D	Local Road/Street
E	Track/Lane
P	Pedestrian
R	Railway
O	Other

LIST	P
RR	Road Repair and Maintenance
RC	Road Construction
BR	Bridge Repair, Maintenance and Reinforcement
TR	Tunnel Repair

LIST	Q
01	Emergency
02	Temporary
03	Permanent

LIST	R
EL	Elliptical
HS	Horseshoe
SQ	Square
SC	Semi-circular

LIST	S
AR	Arch Bridge
CR	Cantilever Bridge
FL	Floating Bridge
BG	Box Girder Bridge
LT	Lift Bridge
SL	Slab Bridge
ST	Stringer Bridge
SU	Suspension Bridge
SW	Swing Bridge
TR	Truss Bridge
MI	Military Bridge
OT	Other

LIST	T
PS	Piles
SB	Slab
CB	Crib
GR	Girder
FL	Floating
NO	No Pylon
OT	Other

LIST	U
EG	Existing Crossing
FA	Ford/Wading
AB	Amphibious – Bridging
AF	Amphibious – Ferrying
AP	Swimming
SU	Snorkel/Submersion
GE	Armd Engr Bridging/Assault Bridging
BR	Dry Bridging
OT	Other Means

LIST	V
XX	Impossible
PP	Possible with preparation
OK	Possible without preparation
GD	Possible Left to Right Bank
DG	Possible Right to Left Bank

LIST	W
A	Activate Crossing Site
B	Deactivate Crossing Site
C	Activate Alternate Crossing Site
D	Deactivate Alternate Crossing Site

LIST	X
EN	Enemy Obstacle
FR	Friendly Obstacle
UN	Unknown Obstacle

LIST	Y
C	Combination
E	Explosive
H	Hand
M	Mechanical

LIST	Z
A	Mines per metre front
B	Mines per square metre

LIST	AA
AR	Area
BL	Building
BR	Bridge
DA	Dam
FA	Ferry/Ford Access
RD	Road/Track
RR	Railroad
SR	Cross Country Route/Track
TL	Tunnel
OT	Other

LIST	AB
BK	Block
FX	Fix
TN	Turn
DT	Disrupt

LIST	AC
PRO	Proposed
PLR	Planned Reserve
PLP	Planned Preliminary
IMP	Prepared for Execution
EXE	Executed
PAS	Passable
BRE	Breached
CLR	Cleared
CAN	Cancelled
MRK	Marked
COV	Covered by Enemy Fire

LIST	AD
	Intentionally deleted

LIST
B
E
M

LIST
D
S

LIST
A
D

LIST
F
R

LIST
A
B
C
D
E

LIST
0l
02
03
04
05
06
07

AE
Both
Electrical
Non-electrical

AF
Dual
Single

AG
Activate
Deactivate

AH
Close Gap/Lane
Reduce Gap to Lane Size

AI
Protective Works
Hardening
Protective Works with camouflage/concealment
Camouflage/concealment
Deception

AJ
HQ
CP
OP
Defensive Position
Firing Position
Installation
Other

LIST	AK
0l	Primary
02	Secondary
03	Alternate

LIST	AL
0l	Stage/Level 1
02	Stage/Level 2
03	Stage/Level 3

LIST	AM
0l	Div +
02	Bde
03	Bn/Regt
04	Coy/Sqn
05	Pl
06	Other

LIST	AN
0l	Dismounted Troops
02	Mechanized Troops
03	Armoured
04	Artillery
05	Logistics
06	Other

LIST	AO
A	In Use/Committed
B	Available/Uncommitted
C	Unserviceable

LIST	AP
0l	Water Supply
02	Electricity Supply
03	Helicopter
04	Fuel Storage
05	Accommodation
06	Airstrip
07	Area Clearance
08	Railroad Construction
09	Port/Harbour
10	Pipelines
11	Sewerage
12	Base Camp
13	Earthworks
14	Other
15	Roads
16	Bridges
17	Railways
18	SPOD
19	APOD *and other landing sites*
20	POL/Distribution Systems
21	Communication Systems
22	Headquarters Infrastructure
23	Waterways
24	Tunnels
25	*Waste/sewage distribution facilities*
26	Civil Infrastructure*/transport systems*
27	Mining & Quarrying Facilities
28	Industrial Facilities
29	*Force accommodation/warehousing*
30	Snow, Ice and Rock Clearance
31	Environmental Damage & *remediation*
32	Diving Tasks
33	Humanitarian Assistance *including DPRE*
34	
35	EOD Assistance
36	*Drilling*

LIST	AQ
A	Construct
B	Maintain
C	Repair
D	Provide
E	Improve

LIST	AR
MO	Mobility
CM	Countermobility
SU	Survivability
GE	General Engineer Support

LIST	AS
0l	Good
02	Fair
03	Poor
04	Non-usable

LIST	AT
PER	Personnel
EQP	Equipment
TIM	Time
LOG	Logistics
MAT	Materiel

LIST	AU
A	Request
B	Order
C	Warning
D	Report
E	Record

LIST	AN
A	Aim Point
B	Minefield Boundary

LIST	AW
Sl	State 1
S2	State 2

LIST	AX
BA	By the Authorized Commander personally
BB	By the Authorized Commander's Liaison Officer personally
BC	By Radio
BD	Other Means

LIST	AY
IA	Immediately upon being Prepared
IB	Upon receipt of code by Radio
IC	Upon receipt of the order from the Authorized Commander or his LO personally
ID	Other orders

LIST	AZ
0l	Yes
02	No
03	Do not know

LIST	BD

LIST	BH
37	*Project Management*
38	*Power distribution systems*
39	*Water distribution systems*
40	*Storm water management systems*

LIST	BA
01	Rations/Water
02	Personal Equipment
03	POL
04	Construction Materials
05	Ammunition
06	Morale Support
07	Major Equipment
08	Medical
09	Repair Parts
10	Other

LIST	BB
I	Grassland
V	Isolated Trees/Bushes
W	Single Line of Trees
X	Thicket of Trees forming an Obstacle or Forest

LIST	BC
BN	Concrete
GS	Gravel
CX	Pebble
PE	Cobblestone
TE	Earth
VE	Silt
SD	Sand
RE	Rock
MN	Brickwork/ Masonry
DS	Miscellaneous

LIST	
01	OPCOM
02	OPCON
03	TACOM
04	TACON

LIST	BE
IMP	Prepared
PAS	Passable
BRE	Breached
MSL	Mines Surface Laid
MRK	Marked
COV	Covered by Enemy Fire

LIST	BF
AS	Artillery Scattered
GS	Ground Scattered
FS	Fast Air Scattered
LS	Helicopter Scattered

LIST	BG
GR	Gradient
HC	Horizontal Curve (m)
HI	Height (m)
WI	Width (m)
TO	Tracked 1 Way
TT	Tracked 2 Way
WO	Wheeled 1 Way
WT	Wheeled 2 Way
NO	None

LIST	
A	Antitank
B	Antipersonnel

BJ	
LIST	>90%
1	75-90%
2	60-75%
3	< 60%
4	

BK	
LIST	>90%
1	80-90%
2	70-80%
3	< 70%
4	

BM	
LIST	Abutment
01	Pier
02	Span
03	Wall
04	Roof
05	Other
06	

BP	
LIST	<12 hours (less than)
01	>12 hours (more than)
02	Do not know
03	Not applicable
04	

CHAPTER 3

MESSAGES, REPORTS AND RETURNS

301. Section 1 - Engineer Messages below brigade level, within engineer units.

ENGINEER TASK STATUS REPORT

E102

ENGTASKREP

PURPOSE

The purpose of this message is to provide the means for disseminating information relating to the progress of task reconnaissance or task execution.

USAGE

This report is always related to assigned task serial numbers and allows for multiple tasks to be reported on. The recipient of the message is expected to be aware of the task details.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ENGINEER TASK STATUS REPORT

E102

A - ENGTASKREP

TITLE		SERIAL
Name of Report	M	200/A
DTG of Report	M	201/A
Task Serial Number	M	202/A
Obstacle zone/Belt Name or Number	O	209/A
Obstacle/Target Number or Nickname	O	209/B
Status of Task - LIST H	M	212/A
Estimated Start Time of Task	O	215/A
Estimated Completion Time of Task	O	215/B
No Work before	O	217/A
Actual Completion Time of Task	O	217/E
Handover to another unit	O	227/D
Remarks	O	297/A
Acknowledge	M	299/A

ENGINEER MATERIEL, REQUEST AND RELEASE MESSAGE

E103

ENGMATREQREL
(MATERIEL REQUEST) & (MATERIEL RELEASE)

PURPOSE

The purpose of this message is to standardise the method for disseminating information relating to the request and release of engineer materiel.

USAGE

This message is principally for use at engineer battalion and below.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ENGINEER MATERIEL, REQUEST AND RELEASE MESSAGE

E103

A - ENGMATREQREL

TITLE	A	SERIAL
Name of Report	M	200/A
Task Serial Number	O	202/A
Request or Release?	M	206/C
Materiel Request Number.	M	206/A
Materiel Release Number.	O - This field is mandatory if completing 'release' message	206/B
Map Sheet Numbers.	M*	214/A
Name of Nearest Town or Feature.	O	214/B
Delivery Point.	M	214/F
Time required for Loading (hours)	O	217/F
Materiel Required at Time.	M	218/A
Loading Transport Required at Time.	O	218/B
Transportation/Loading Equipment Release Time.	O	218/C
MHE Requirement.	O	218/D
National Stores List Items.	O*	270/B
Tonnes of Grounded Materiel or to be Lifted.	O	270/C
Volume of Grounded Materiel or to be Lifted.	O	270/D
Weight of Largest Item to be Lifted.	O	270/E
Remarks.	O	297/A
Acknowledge.	M	299/A

ENGINEER UNIT STATUS REPORT

E104

ENGSTATREP

PURPOSE

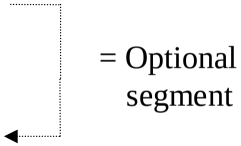
The purpose of this message is to provide the means for disseminating information relating to the reporting of sub-unit status to engineer battalion level.

USAGE

The message contains fields for reporting sub-unit effectiveness and critical or major equipments. The message is sent in accordance with timings laid down in SOPs.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability



ENGINEER UNIT STATUS REPORT

E104

A -ENGSTATREP

TITLE	A				SERIAL
Name of Report	M				200/A
DTG of report	M				201/A
Sub-Units Type and Quantity.	M*				261/C
Major Assets - LIST AO	M*				269/E
Remarks.	O				297/A
Acknowledge.	M				299/A

ROUTE RECONNAISSANCE MESSAGES

ROUTERECCEORD *(RECCE ORDER)*

E110 GROUP

ROUTERECCEREP *(RECCE REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for disseminating information relating to the ordering and reporting of route reconnaissance tasks at battalion level and below.

USAGE

Invariably this set of messages will be used in reaction to receipt of an ENGRRECCEORD (E201) message from corps or divisional HQ.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ROUTE RECONNAISSANCE MESSAGES E110

E110

A -ROUTERECCEORD	B -ROUTERECCEREP

TITLE	A	B	SERIAL
Name of Report	M	M	200/A
Task Serial Number	M	M	202/A
Map Sheet Numbers.	M*	M*	214/A
No Reconnaissance Before	O	-	216/A
Reconnaissance to be Completed by	M	-	216/B
Reconnaissance Report to be submitted by	M	-	216/D
Military Route Name.	O	O	220/A
Axis / Route Start Point.	M	M	220/B
Name of Nearest Town or Feature.	O	O	214/B
Axis / Route Intermediate Points.	M	M	220/C
Name of Nearest Town or Feature	O	O	214/B
Axis / Route Release Point.	M	M	220/D
Name of Nearest Town or Feature	O	O	214/B
Required MLC 1-way Tracked / Wheeled	M	-	220/E
Required MLC 2-way Tracked / Wheeled	M	-	220/F
Constraining Vehicle Factors.	M	-	220/G
Limiting Requirements - LIST J	M*	-	221/I
Name of unit with which Coordination is Foreseen or Necessary.	M	-	288/A
Radio frequency / Call sign of Unit Concerned.	O*	-	288/B
Own Call Sign.	O	-	288/C
RV Details.	M*	-	288/D
Overall Status of Route.	-	M	220/H

TITLE	A	B	C	D	SERIAL
Route Feature - LIST L	-	M			221/F
Section Obstructions - LIST E	-	O*			221/E
Carriageway Condition - LIST M	-	O*			221/H
Structural Defect - LIST BM	-	O*			221/P
Restrictions Found - LIST J	-	O*			221/K
Estimated MLC 1-way - Tracked/Wheeled.	-	O			221/M
Estimated MLC 2-way - Tracked/Wheeled.	-	O			221/N
.					
Possible by-passes.	-	M			220/I
Start Point.	-	M			245/B
Intermediate Points.	-	O*			245/C
Release Point.	-	M			245/D
Estimated MLC 1-way - Tracked/Wheeled.	-	M			221/M
Estimated MLC 2-way - Tracked/Wheeled.	-	M			221/N
Remarks.	O	O			297/A
Acknowledge.	M	M			299/A

ROAD, BRIDGE AND TUNNEL MESSAGES

E111 GROUP

RBTRECCEORD *(RECCE ORDER)*

RBTRECCEREP *(RECCE REPORT)*

RBTMAINTORD *(EXECUTION ORDER)*

RBTMAINTREP *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for disseminating information relating to the ordering, reporting and execution of a specific repair, technical reconnaissance or maintenance task along a section of a route.

USAGE

The trigger for these reports will be the selection of a route based on E110 reconnaissance reports.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

ROAD, BRIDGE AND TUNNEL MESSAGES

E111

A -RBTRECCEORD	B -RBTRECCEREP	C -RBTMAINTORD	D -RBTMAINTREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Type of Task - LIST P	M	M	M	M	203/C
Map Sheet Numbers.	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature.	O	O	O	O	214/B
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	M	-	-	-	216/B
Reconnaissance Report to be submitted by	M	-	-	-	216/D
Reconnaissance Completed at	-	M	-	-	216/C
No Work before	-	-	O	-	217/A
Start task at.	O	-	O	-	217/C
Task to be Complete Before	O	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
Task Time (hours)	-	M	-	-	217/G
Military Route Name.	O	O	O	-	220/A
Required MLC 1-way Tracked / Wheeled	M	-	M	-	220/E
Required MLC 2-way Tracked / Wheeled	M	-	M	-	220/F
Constraining Vehicle Factors.	O	-	O	-	220/G
Route Section Number	O	O	O	-	221/A
Section Obstructions - LIST E	O*	O*	O*	-	221/E
Carriageway Condition - LIST M	O*	O*	O*	-	221/H

TITLE	A	B	C	D	SERIAL
Road Section Location.	M	M	M	O	221/C
Civilian Road Identification - Road Type / Road Number - LIST O	M	M	M	-	221/B
Route Lane Details.	M	M	O	-	221/D
Limiting Requirements - LIST J	M*	M*	M*	-	221/I
Degree of Permanency - LIST Q	M	-	-	-	204/C
Overall Status.	-	M	-	-	221/J
Restrictions Found - LIST J	-	M*	-	-	221/K
Estimated MLC 1-way - Tracked/Wheeled.	-	M	-	-	221/M
Estimated MLC 2-way - Tracked/Wheeled.	-	M	-	-	221/N
Road Surface Type - LIST N	-	M	-	-	221/X
Bridge Military Identification.	M	M	M	M	222/A
Bridge Civilian Identification.	O	O	O	O	222/B
Bridge Location.	M	M	M	M	222/C
Name of Waterway or Feature.	O	O	O	-	222/D
Water and Gap	-	M	-	-	222/E
Estimated MLC 1-way Tracked / Wheeled	M	M	-	-	220/E
Estimated MLC 2-way Tracked / Wheeled	M	M	-	-	220/F
Bridge Lanes (m).	-	M	-	-	222/G
Bridge Type & Construction Material - LIST S / LIST N	-	M*	-	-	222/H
Bridge Pier Type & Construction Material - LIST T / LIST N	-	M*	-	-	222/I
Abutment Material - LIST N	-	M*	-	-	222/J
Bridge Beam - LIST N	-	M*	-	-	222/N
Bridge Spans.	-	M	-	-	222/O
Tunnel Military Identification.	M	M	M	M	223/A
Tunnel Civilian Identification.	-	O	-	O	223/B
Tunnel Location.	M	M	M	M	223/C
Tunnel Dimensions (m).	-	M	-	-	223/D
Tunnel Lanes.	-	M	-	-	223/E
Tunnel Description - LIST R / LIST N	-	M	-	-	223/F
Tunnel Road - LIST O / LIST N	-	M	-	-	223/G
Tunnel Horizontal Curve Radius (m)	-	O	-	-	223/H
Tunnel Vertical Gradient (%)	-	O	-	-	223/I

TITLE	A	B	C	D	SERIAL
Manpower Data.	-	O*	M*	-	261/A
Unit Providing the Manpower.	-	-	O	-	626/A
Manpower RV and Time.	-	-	M	-	262/B
Equipment Data.	-	O*	M*	-	269/A
Unit providing the Equipment and/or Materiel.	-	-	O	-	271/A
Equipment and Materiel RV and Time.	-	-	M	-	271/B
Materiel Data	-	O*	M*	-	270/A
National Stores List Items	-	O*	M*	-	270/B
Tonnes of Grounded Materiel or to be Lifted.	-	O*	O	-	270/C
Volume of Grounded Materiel or to be Lifted.	-	O*	O	-	270/D
Weight of Largest Item to be Lifted.	-	O*	O	-	270/E
Unit providing the Equipment and/or Materiel.	-	-	O	-	271/A
Equipment and Materiel RV and Time.	-	-	M	-	271/B
Bridging Equipment.	-	O*	M*	-	272/A
Unit providing the Bridging Equipment.	-	-	O	-	273/A
Bridging Equipment RV .	-	-	M	-	273/B
Name of unit with which Coordination is Foreseen or Necessary.	M	-	M	-	288/A
Radio frequency / Call sign of Unit Concerned.	O*	-	O*	-	288/B
Own Call Sign.	O	-	O	-	288/C
RV Details.	M	-	M	-	288/D
Name of Unit providing Protection.	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned.	-	-	O*	-	289/B
Own Call Sign.	-	-	O	-	289/C
RV Details.	-	-	M	-	289/D
Restrictions after Repair.	-	-	-	M*	221/L
Remarks.	O	O	O	O	297/A
Acknowledge.	M	M	M	M	299/A

GAP CROSSING MESSAGES

E112 GROUP

GAPRECCEORD *(RECCE ORDER)*	**GAPRECCEREP** *(RECCE REPORT)*
GAPORD *(EXECUTION ORDER)*	**GAPREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for disseminating information relating to gap crossing sites.

USAGE

The messages are for use at battalion level and below and should be used for recce and task execution orders and reports.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

E112

GAP CROSSING MESSAGES

E112

A -GAPRECCEORD	B -GAPRECCEREP	C -GAPORD	D -GAPREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Crossing Site Task - LIST W	-	-	M	O	203/B
Crossing Site Serial Number.	O	O	O	O	208/A
Crossing Sites Folder.	O	O	O	O	208/B
Type of Crossing Site and Assessment - LIST U and LIST V	O*	O*	M	M	211/A
Map Sheet Numbers.	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature.	O	O	O	O	214/B
Task Area Location.	M*	M*	M	M	214/E
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Report to be submitted by	O	-	-	-	216/D
Reconnaissance Completed at	-	M	-	-	216/C
No Work before	O	-	O	-	217/A
Actual Start Time of Task.	-	-	O	-	217/B
Task to be Complete Before	-	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
Name of Waterway or Feature.	O	O	O	O	222/D
Type of Unit to cross.	O*	-	O*	-	234/B
Highest MLC.	O	-	O*	O	234/C
Open Crossing Site at.	-	-	O	O	217/H
Close Crossing Site at.	-	-	O	O	217/I
Water and Gap Width (m).	-	M	O	-	222/E
Water Depth and Tidal Information.	-	O	O	-	230/A
Bank height.	-	O	O	-	230/B

TITLE	A	B	C	D	SERIAL
Current Speed.	-	O	O	-	230/C
Percentage Bank slope.	-	O	O	-	230/D
Nature of Ground Materiel - LIST BC	-	O	O	-	230/E
Rate of access.	-	-	O	O	231/B
Bank bearing pressure.	-	O	-	-	230/F
Existing Anchorage's.	-	O	-	-	230/G
Width of close approaches.	-	O	-	-	231/A
Approach Vegetation - LIST BB	-	O	-	-	231/C
Route Type. - LIST O	-	O	-	O	231/D
Type of Access.	-	O	-	O	231/E
Work required Right Bank Approaches.	-	O	O	-	232/A
Work required Left Bank Approaches.	-	O	O	-	231/B
Other Work required.	-	O	O	-	232/C
Pier requirements.	-	O	O	-	232/D
Rate of Traffic crossing.	-	-	O	O	234/A
Name of Route to Task Site.	O*	O*	O*	O*	245/A
Start Point.	O	O	O	O	245/B
Intermediate Points.	O*	O*	O*	O*	245/C
Release Point.	O	O	O	O	245/D
Engineer Assembly Area	-	M*	M*	-	246/A
.					
Manpower Data.	-	M*	M*	O*	261/A
Unit Providing the Manpower.	-	O	M	-	262/A
Manpower RV and Time.	-	O	M	-	262/B
Equipment Data.	-	M*	M*	O*	269/A
Unit providing the Equipment and/or Materiel.	-	O	O	-	271/A
Equipment and Materiel RV and Time.	-	O	M	-	271/B

TITLE	A	B	C	D	SERIAL
Materiel Data	-	M*	M*	O*	270/A
Unit providing the Materiel.	-	O	O	-	271/A
Equipment and Materiel RV and Time.	-	O	M	-	271/B
Bridging Equipment.	-	M*	M*	O*	272/A
Unit providing the Bridging Equipment.	-	O	O	-	273/A
Bridging Equipment RV .	-	O	M	-	273/B
Name of unit with which Coordination is Foreseen or Necessary.	M	O*	M	O*	288/A
Radio frequency / Call sign of Unit Concerned.	O*	-	O*	-	288/B
Own Call Sign.	O	-	O	-	288/C
RV Details.	M	-	M	-	288/D
Name of Unit providing Protection.	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned.	-	-	O*	-	289/B
Own Call Sign.	-	-	O	-	289/C
RV Details.	-	-	M	-	289/D
Remarks.	O	O	O	O	294/A
Acknowledge.	M	M	M	M	299/A

MINEFIELD BREACHING AND CLEARING MESSAGES

E113 GROUP

MINCLRRECCEORD *(RECCE ORDER)*	**MINCLRRECCEREP** *(RECCE REPORT)*
MINCLRORD *(EXECUTION ORDER)*	**MINCLRREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to the breaching and clearing of minefields by friendly forces.

USAGE

The messages are to be used for ordering and reporting on the reconnaissance of future deliberate minefield breaches, and for task execution and completion reports.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

E113

MINEFIELD BREACHING AND CLEARING MESSAGES

E113

A -MINCLRRECCEORD	B -MINCLRRECCEREP	C -MINCLRORD	D -MINCLRREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Clear Minefield ?	M	M	O	M	202/B
Obstacle Category - LIST X	M	M	M	M	203/A
Obstacle zone/Belt Name or Number	O	O	O	O	209/A
Obstacle/Target Number or Nickname	O	O	O	O	209/B
Generic Mine Type - LIST C	M*	M*	M*	M*	210/E
Map Sheet Numbers	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature	O	O	O	O	214/B
Minefield Boundary	O*	O*	M*	M*	214/C
Engineer Control HQ	O	-	O	-	214/L
All Arms Control HQ	O	-	O	-	214/M
Traffic Control Post	O	-	O	-	214/N
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Completed at	-	M	-	-	216/C
Reconnaissance Report to be submitted by	M	-	-	-	216/D
No Work before	-	-	O	-	217/A
Start task At	-	-	O	-	217/C
Task to be Complete Before	-	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
Anti-handling Devices (%)	-	-	O	O	219/D
Mine Rows	O	M	M	O	219/E
Minefield Density - LIST Z	O	M	M	O	219/F
Minefield Dimensions (m)	O	M	M	O	219/G

TITLE	A	B	C	D	SERIAL
Mine Laying Method - LIST D	O*	M	M	O*	219/I
To be Marked ?	O	O	M	-	219/L
Is Marked ?	O	M	M	M	219/M
Additional Minefield Obstacles - LIST E	O*	O*	O*	O*	219/N
Number of Lanes and Gaps	M	M	M	M	228/H
Lane or Gap Identification - LIST F	M	M	M	M	229/A
Lane / Gap to be marked ?	O	O	M	-	228/I
Lane / Gap is marked ?	-	-	-	M	228/J
Lane / Gap Priority	O	O	M	-	229/B
Entrance and Exit	M*	M*	M*	M*	229/C
Lane / Gap Width (m)	M	M	M	M	229/D
Breaching Method - LIST Y	O	M	M	M*	229/H
Name of Route to Task Site (Road or River)	O*	O*	O*	-	245/A
Start Point	O	O	O	-	245/B
Intermediate Points	O*	O*	O*	-	245/C
Release Point	O	O	O	-	245/D
Engineer Assembly Area	O*	M*	M*	-	246/A
Manpower Data	-	M*	M*	-	261/A
Unit Providing the Manpower	-	O	M	-	262/A
Manpower RV and Time	-	O	M	-	262/B
Antitank Mines Recovered	-	-	-	O	263/C
Antipersonnel Mines Recovered	-	-	-	O	264/C
Mines and Explosives Disposal Site	-	-	-	M	266/C

TITLE	A	B	C	D	SERIAL
Explosives Details	-	O*	M*	-	265/A
Mine and Explosive Dump	-	M	M	-	266/A
Mine and Explosive Available at Time	-	M	M	-	266/B
Mines and Explosives Disposal Site	-	O*	O*	-	266/C
Equipment Data	M*	M*	M*	-	269/A
Unit providing the Equipment and/or Materiel	O	O	O	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Materiel Data	M*	M*	M*	-	270/A
Unit providing the Equipment and/or Materiel	O	O	O	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Name of unit with which Coordination is Foreseen or Necessary	M	O*	M	-	288/A
Radio frequency / Call sign of Unit Concerned	O*	-	O*	-	288/B
Own Call Sign	O	-	O	-	288/C
RV Details	M	-	M	-	288/D
Name of Unit providing Protection	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned	-	-	O*	-	289/B
Own Call Sign	-	-	O	-	289/C
RV Details	-	-	M	-	289/D
Remarks	O	O	O	O	297/A
Acknowledge	M	M	M	M	299/A

OBSTACLE MESSAGES

E120 GROUP

OBSRECCEORD *(RECCE ORDER)*	**OBSRECCEREP** *(RECCE REPORT)*
OBSEXORD *(EXECUTION ORDER)*	**OBSEXREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to existing friendly and enemy obstacles and future friendly obstacles

USAGE

The messages are general purpose messages which cover all types of obstacles. The message should not be used to report on:

a. Friendly Bridge Demolitions *(use the E212 and E302 group of messages)*
b. Friendly minelaying operations *(use the E122 group of messages)*
c. Breaching or clearing minefields *(use the E113 group of messages)*

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

E120

OBSTACLE MESSAGES

E120

A -OBSRECCEORD	B -OBSRECCEREP	C -OBSEXORD	D -OBSEXREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Obstacle/Target Number or Nickname	O	O	M	M	209/B
Obstacle zone/Belt Name or Number	O	O	O	O	209/A
Obstacle Category - LIST X	M	M	-	-	203/A
Reconnaissance Completed at	-	M	-	-	216/C
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Report to be submitted by	M	-	-	-	216/D
Type of Target - LIST AA	M	M	M	M	210/A
Type of Obstacle - LIST E	M	M	M	M	210/B
Generic Mine Type - LIST C	M*	M*	M*	M*	210/E
Obstacle Status - LIST AC	O	O	M	M	210/H
Map Sheet Numbers	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature	O	O	O	O	214/B
Obstacle Grid Co-ordinates	M*	M*	M*	M*	214/D
Actual Completion Time of Task	-	-	-	M	217/E
No Work before	-	-	O	-	217/A
Start task At	-	-	O	-	217/C
Task to be Complete Before	-	-	M	-	217/D
Tactical Objective - LIST AB	O	O	O	-	219/A
To be Marked ?	M	M	M	-	219/L
Is Marked ?	M	M	-	M	219/M

TITLE	A	B	C	D	SERIAL
Name of Route to Task Site (Road or River)	O*	O*	O*	-	245/A
Start Point	O	O	O	-	245/B
Intermediate Points	O*	O*	O*	-	245/C
Release Point	O	O	O	-	245/D
Engineer Assembly Area	-	M*	M*	-	246/A
Manpower Data	-	M*	M*	-	261/A
Unit Providing the Manpower	-	O	M	-	262/A
Manpower RV and Time	-	O	M	-	262/B
Antitank Mine Details	-	O*	O*	-	263/A
Antipersonnel Mine Details	-	O*	O*	-	264/A
Explosives Details	-	O*	O*	-	265/A
Mine and Explosive Dump	-	M	M	-	266/A
Mine and Explosive Available at Time	-	M	M	-	266/B
Equipment Data	M*	M*	M*	-	269/A
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Materiel Data	M*	M*	M*	-	270/A
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Name of unit with which Coordination is Foreseen or Necessary	M	M*	M	-	288/A
Radio frequency / Call sign of Unit Concerned	O*	-	O*	-	288/B
Own Call Sign	O	-	O	-	288/C
RV Details	M	-	M	-	288/D

TITLE	A	B	C	D	SERIAL
Name of Unit providing Protection	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned	-	-	O*	-	289/B
Own Call Sign	-	-	O	-	289/C
RV Details	-	-	M	-	289/D
Remarks	O	O	O	O	297/A
Acknowledge	M	M	M	M	299/A

BRIDGE DEMOLITION MESSAGES

E121 GROUP

BRDMLRECCEORD *(RECCE ORDER)*	**BRDMLRECCEREP** *(RECCE REPORT)*
BRDMLORD *(EXECUTION ORDER)*	**BRDMLREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to friendly preliminary bridge demolitions.

USAGE

Reconnaissance messages (BRDMLRECCEORD and BRDMLRECCEREP) are to be used for the recce of preliminary **and** reserved demolitions. The execution order (BRDMLORD) is to be used for PRELIMINARY DEMOLITIONS ONLY . The execution of reserved demolitions is covered in the All Arms message (E302 - DMLORD). **All** bridge demolition completion reports are to use the BRDMLREP message.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

E121

BRIDGE DEMOLITION MESSAGES

E121

A -BRDMLRECCEORD	B -BRDMLRECCEREP	C -BRDMLORD	D -BRDMLREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Obstacle zone/Belt Name or Number	O	O	O	O	209/A
Obstacle/Target Number or Nickname	O	O	M	M	209/B
Trafficable when prepared for demolition?	M	M	-	-	210/F
Bridge Demolition Status - LIST AC	M	O	M	M	210/G
Map Sheet Numbers	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature	O	O	O	O	214/B
Obstacle Grid Co-ordinates	M*	M	M	M	214/D
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Completed at	-	M	-	-	216/C
Reconnaissance Report to be submitted by	M	-	-	-	216/D
No Work before	-	-	O	-	217/A
Start task At	-	-	O	-	217/C
Task to be Complete Before	-	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
To be Mined ?	M	M	M	-	219/J
Is Mined ?	M	M	-	M	219/K
To be Marked ?	M	M	M	-	219/L
Is Marked ?	M	M	-	M	219/M
Bridge Identification	O	O	-	-	222/A
Name of Waterway or Feature	O	O	-	-	222/D
Water and Gap Width (m)	-	M	-	-	222/E
Bridge Dimensions	-	M	-	-	222/F

TITLE	A	B	C	D	SERIAL
Bridge Description - LIST S / LIST N	-	M	-	-	222/H
Bridge Pier Type & Construction Materiel - LIST T / LIST N	-	M	-	-	222/I
Bridge Function - LIST O	O	M	-	-	222/L
Bridge Surface - LIST N	-	M	-	-	222/M
Bridge Beam - LIST N	-	M	-	-	222/N
Bridge Spans	-	M	-	-	222/O
Traffic Volume	-	O	-	-	222/P
Civilian Load Classification	-	O	-	-	222/Q
MLC Tracked 1-way / 2-way	-	O	-	-	222/R
MLC Wheeled 1-way / 2-way	-	O	-	-	222/S
Demolition Method	-	M	M	-	224/A
Initiation Method and Firing Circuit - LIST AE / LIST AF	-	M	M	-	224/B
Method Description	-	M	M	-	224/C
Distance from Logistic Stock Point to Obstacle (Km)	-	O	O	-	224/D
Firing Point	-	M	M	-	224/E
Width of Gap (m)	-	-	-	M	225/A
Number of Spans Down	-	-	-	M	225/B
Number of Craters	-	-	-	M	225/C
Crater Diameter (m)	-	-	-	M	225/D
Crater Depth (m)	-	-	-	M	225/E
Name of Route to Task Site (Road or River)	O*	O*	O*	-	245/A
Start Point	O	O	O	-	245/B
Intermediate Points	O*	O*	O*	-	245/C
Release Point	M	O	O	-	245/D
Engineer Assembly Area	-	M*	M*	-	246/A
Manpower Data	-	M*	M*	-	261/A
Unit Providing the Manpower	-	O	M	-	262/A
Manpower RV and Time	-	O	M	-	262/B

TITLE	A	B	C	D	SERIAL
Antitank Mine Details	-	O*	O*	-	263/A
Antipersonnel Mine Details	-	O*	O*	-	264/A
Explosives Details	-	O*	O*	-	265/A
Mine and Explosive Dump	-	O	O	-	266/A
Mine and Explosive Available at Time	-	O	O	-	266/B
Equipment Data	M*	M*	M*	-	269/A
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Materiel Data	M*	M*	M*	-	270/A
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Name of unit with which Coordination is Foreseen or Necessary	M	O*	M	-	288/A
Radio frequency / Call sign of Unit Concerned	O*	-	O*	-	288/B
Own Call Sign	O	-	O	-	288/C
RV Details	M	-	M	-	288/D
Name of Unit providing Protection	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned	-	-	O*	-	289/B
Own Call Sign	-	-	O	-	289/C
RV Details	-	-	M	-	289/D
Remarks	O	O	O	O	297/A
Acknowledge	M	M	M	M	299/A

ENGINEER MINELAYING MESSAGES

E122 GROUP

MINLAYRECCEORD *(RECCE ORDER)*	**MINLAYRECCEREP** *(RECCE REPORT)*
MINLAYORD *(EXECUTION ORDER)*	**MINLAYREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to minefields laid by friendly engineer troops.

USAGE

The minefield completion report does not replace the minefield record, which will be one of the enclosures to the report. The messages are to be used in conjunction with the all-arms scatterable mine messages (E301) where appropriate.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ENGINEER MINELAYING MESSAGES
E122

A -MINLAYRECCEORD	B -MINLAYRECCEREP	C -MINLAYORD	D -MINLAYREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Obstacle zone/Belt Name or Number.	O	O	O	M	209/A
Obstacle/Target Number or Nickname.	O	O	O	O	209/B
Type of Minefield - LIST B	M	M	M	M	210/C
Generic Mine Type - LIST C	O*	M	M*	M	210/E
Map Sheet Numbers.	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature.	O	O	O	O	214/B
Minefield Boundary.	M*	M*	M*	M*	214/C
Main Tactical Road.	O	O	O	O	214/O
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Report to be submitted by	M	-	-	-	216/D
Reconnaissance Completed at	-	M	-	-	216/C
No Work before	-	-	M	-	217/A
Start task at.	-	-	O	-	217/C
Task to be Complete Before	-	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
Tactical Objective - LIST AB	M	-	M	-	219/A
Anti-handling Devices (%)	-	-	O	M	219/D
Mine Rows	O	O	M	M	219/E
Minefield Density - LIST Z	O	O	M	M	219/F
Minefield Dimensions (m)	O	O	M	M	219/G
Mine Laying Method - LIST D	O	O	O	M*	219/I
To be Marked ?	M	M	M	-	219/L
Is Marked ?	M	M	O	M	219/M
Additional Minefield Obstacles - LIST E	O*	O*	O*	O*	219/N

TITLE	A	B	C	D	SERIAL
Unit to Control Minefield Activation.	O	-	O	O	227/A
Authorized Commander	-	-	O	O	227/B
Handover to another unit	-	-	-	O	227/D
Set Armed Period Duration.	O	O	O	O	228/C
Change Minefield Effectiveness - LIST AG	-	-	O	O	228/D
Minefield Effective at.	O	O	M	M	228/E
Minefield Ceases to be Effective at.	O	O	M	M	228/F
Number of Lanes and Gaps	M	M	M	M	228/H
Lane / Gap to be marked ?	M	M	M	-	228/I
Lane / Gap is marked ?	M	M	O	M	228/J
Lane or Gap Identification - LIST F	M	M	M	M	229/A
Entrance and Exit	M	M	M	M	229/C
Lane / Gap Width (m)	M	M	M	M	229/D
Mines for Closure.	-	-	O	O	229/E
Method of Closing - LIST D	O	M	O	M	229/F
Minefield Closure Time.	-	-	O	O	229/G
Unit to Close Lane or Gap.	O	O	O	O	229/J
Name of Route to Task Site.	O*	O*	O*	-	245/A
Start Point.	O	O	O	-	245/B
Intermediate Points.	O*	O*	O*	-	245/C
Release Point.	O	O	O	-	245/D
Engineer Assembly Area.	O*	M*	M*	-	246/A
Manpower Data.	-	M*	M*	-	261/A
Unit Providing the Manpower.	-	O	O	-	262/A
Manpower RV and Time.	-	O	M	-	262/B
Antitank Mine Details.	-	O*	O*	M*	263/A
Antipersonnel Mine Details.	-	O*	O*	M*	264/A
Explosives Details.	-	O*	O*	M*	265/A
Mine and Explosive Dump.	M	M	M	-	266/A
Mine and Explosive Available at Time.	M	M	M	-	266/B

TITLE	A	B	C	D	SERIAL
Equipment Data.	M*	M*	M*	-	269/A
Unit providing the Equipment	O	O	O	-	271/A
Equipment RV and Time.	O	O	M	-	271/B
Materiel Data	M*	M*	M*	-	270/A
Unit providing the Materiel.	O	O	O	-	271/A
Materiel RV and Time.	O	O	M	-	271/B
Name of unit with which Coordination is Foreseen or Necessary.	M	O	M	-	288/A
Radio frequency / Call sign of Unit Concerned.	O*	-	O*	-	288/B
Own Call Sign.	O	-	O		288/C
RV Details.	M	-	M		288/D
Name of Unit providing Protection.	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned.	-	-	O*	-	289/B
Own Call Sign.	-	-	O	-	289/C
RV Details.	-	-	M	-	289/D
Remarks.	O	O	O	O	297/A
Acknowledge.	M	M	M	M	299/A

SURVIVABILITY MESSAGES

E130 GROUP

SURRECCEORD *(RECCE ORDER)*	**SURRECCEREP** *(RECCE REPORT)*
SURORD *(EXECUTION ORDER)*	**SURREP** *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to survivability tasks.

USAGE

The messages are used for all survivability and protection tasks. Survivability tasks include digging, revetment, camouflage, hardening of buildings and deception.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

E130

SURVIVABILITY MESSAGES

E130

A - SURRECCEORD	B - SURRECCEREP	C -SURORD	D -SURREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
Obstacle zone/Belt Name or Number	O	O	-	-	209/A
Survivability Mission - LIST AI	M	M	M	O	213/A
Survivability Task - LIST AJ	M	M	M	O	213/B
Type of Position - LIST AK	O	O	O	O	213/C
Cover or Protection Level - LIST AL	O	O	O	O	213/D
Unit Level - LIST AM	M	M	M	O	213/E
Unit Type - LIST AN	M	M	M	O	213/F
Map Sheet Numbers	M*	M*	M*	O*	214/A
Name of Nearest Town or Feature	O	O	O	O	214/B
Task Area Location	M*	M*	M*	O*	214/E
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Completed at	-	M	-	-	216/C
Reconnaissance Report to be submitted by	M	-	-	-	216/D
No Work before	-	-	O	-	217/A
Start task At	-	-	O	-	217/C
Task to be Complete Before	-	-	M	-	217/D
Actual Completion Time of Task	-	-	-	M	217/E
Manpower Data	M*	M*	M*	-	261/A
Unit Providing the Manpower	O	O	M	-	262/A
Manpower RV and Time	O	O	M	-	262/B

TITLE	A	B	C	D	SERIAL
Equipment Data	M*	M*	M*	-	269/A
Unit providing the Equipment and/or Materiel.	O	O	O	-	271/A
Equipment and Materiel RV and Time.	O	O	O	-	271/B
Materiel Data	M*	O*	O*	-	270/A
National Stores List Items	-	O*	O*	-	270/B
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	O	-	271/B
Name of unit with which Coordination is Foreseen or Necessary	M	O*	M	-	288/A
Radio frequency / Call sign of Unit Concerned	O*	-	O*	-	288/B
Own Call Sign	O	-	O	-	288/C
RV Details	M	-	M	-	288/D
Name of Unit providing Protection	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned	-	-	O*	-	289/B
Own Call Sign	-	-	O	-	289/C
RV Details	-	-	M	-	289/D
Remarks	O	O	O	O	297/A
Acknowledge	M	M	M	M	299/A

GENERAL ENGINEER SUPPORT MESSAGES

E140 GROUP

ENGGSRECCEORD *(RECCE ORDER)*

ENGGSRECCEREP *(RECCE REPORT)*

ENGGSORD *(EXECUTION ORDER)*

ENGGSREP *(COMPLETION REPORT)*

PURPOSE

The purpose of this group of messages is to provide the means for reporting information relating to all general engineer support tasks, or tasks which do not fall under the category of mobility, counter-mobility or survivability.

USAGE

The messages are particularly suited for use in peace support operations in overseas theatres.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

E140

GENERAL ENGINEER SUPPORT MESSAGES

E140

A -ENGGSRECCEORD	B -ENGGSRECCEREP	C -ENGGSORD	D -ENGGSREP

TITLE	A	B	C	D	SERIAL
Name of Report	M	M	M	M	200/A
Task Serial Number	M	M	M	M	202/A
General Engineer Support Mission - LIST AQ	M	M	M	M	204/A
General Engineer Support Task - LIST AP	M	M	M	M	204/B
Degree of Permanancy - LIST Q	M	M	M	M	204/C
Capacity	M	M	M	M	204/D
Map Sheet Numbers	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature	O	O	O	O	214/B
Task Area Location	M*	M*	M*	M*	214/E
No Reconnaissance Before	O	-	-	-	216/A
Reconnaissance to be Completed by	O	-	-	-	216/B
Reconnaissance Completed at	-	M	-	-	216/C
Reconnaissance Report to be submitted by	M	-	-	-	216/D
Facilities	M	M	M	-	235/A
Condition - LIST AS	M	O	O	-	235/B
Repairable	M	O	O	-	235/C
Name of Route to Task Site (Road or River)	O*	-	O*	-	245/A
Start Point	O	-	O*	-	245/B
Intermediate Points	O*	-	O*	-	245/C
Release Point	O	-	M	-	245/D
Engineer Assembly Area	O	O*	O*	-	246/A

TITLE	A	B	C	D	SERIAL
Manpower Data	M*	M*	M*	-	261/A
Unit Providing the Manpower	O	O	O	-	262/A
Manpower RV and Time	O	O	O	-	262/B
Explosives Details	M*	M*	M*	-	265/A
Mine and Explosive Dump	M	M	M	-	266/A
Mine and Explosive Available at Time	M	M	M	-	266/B
Equipment Data	M*	M*	M*	-	269/A
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	M	-	271/B
Materiel Data	O*	O*	O*	-	270/A
National Stores List Items	O*	O*	O*	-	270/B
Unit providing the Equipment and/or Materiel	O	O	M	-	271/A
Equipment and Materiel RV and Time	O	O	M	-	271/B
Name of unit with which Coordination is Foreseen or Necessary	M	O*	M	-	288/A
Radio frequency / Call sign of Unit Concerned	O*	-	O*	-	288/B
Own Call Sign	O	-	O	-	288/C
RV Details	M	-	M	-	288/D
Name of Unit providing Protection	-	-	M	-	289/A
Radio frequency / Call Sign of Unit concerned	-	-	O*	-	289/B
Own Call Sign	-	-	O	-	289/C
RV Details	-	-	M	-	289/D
Remarks	O	O	O	O	297/A
Acknowledge	M	M	M	M	299/A

302. Section 2 - Engineer Messages, brigade to corps.

ENGINEER RECONNAISSANCE MESSAGES

E201 GROUP

ENGRRECCEORD *(RECCE ORDER)*	**ENGRRECCEREP** *(RECCE REPORT)*

PURPOSE

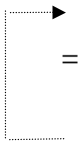
The purpose of this group of formation level messages is to order the reconnaissance of mobility, counter-mobility and general engineer support tasks.

USAGE

The messages are for use at corps and division HQ down to brigade level. Receipt of an E201A at unit level from formation HQ will trigger a series of reconnaissance tasks using the battalion level messages. A typical E201 will order the reconnaissance of 5 possible crossings over a stretch of river for a divisional crossing operation. Key information is passed back to the formation HQ using E201B, which will be accompanied by copies of the reconnaissance reports as enclosures.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability


= Repeatable segment


= Optional segment

E201

ENGINEER RECONNAISSANCE MESSAGES

A -ENGRRECCEORD	E201	B -ENGRRECCEREP

TITLE	A	B	SERIAL
Name of Report	M	M	200/A
Task Serial Number	M	M	202/A
Type of Recce - LIST AR	M	M	203/D
Aim of Reconnaissance	M	M	203/E
Map Sheet Numbers.	M*	M*	214/A
No Reconnaissance Before	O	-	216/A
Reconnaissance to be Completed by	O	-	216/B
Reconnaissance Report to be submitted by	M	-	216/D
Reconnaissance Completed at	-	M	216/C
Task Area Location.	M*	M*	214/E
Crossing Area Boundaries.	M*	M*	208/C
Number of Options Required.	O	O	240/A
Name of Nearest Town or Feature.	-	O	214/B
Task Area Location.	M*	M*	214/E
Minefield Boundary.	M*	M*	214/C
Number of Options Required.	O	O	240/A
Name of Nearest Town or Feature.	-	O	214/B

TITLE	A	B	SERIAL
Task Area Location.	M*	M*	214/E
Axis / Route Start Point.	M	M	220/B
Name of Nearest Town or Feature.	O	O	214/B
Axis / Route Intermediate Points.	M	M	220/C
Name of Nearest Town or Feature.	O	O	214/B
Axis / Route Release Point.	M	M	220/D
Name of Nearest Town or Feature.	O	O	214/B
MLC Tracked 1-way / 2-way.	-	M	222/R
MLC Wheeled 1-way / 2-way.	-	M	222/S
Restrictions Found - LIST J	-	O*	221/K
Required MLC 1-way Tracked / Wheeled	M	-	220/E
Required MLC 2-way Tracked / Wheeled	M	-	220/F
Constraining Vehicle Factors.	M	-	220/G
Number of Options Required.	O	-	240/A
Task Area Location.	M*	M*	214/E
Obstacle zone/Belt Name or Number.	O	O*	209/A
Obstacle/Target Number or Nickname.	M	-	209/B
Tactical Objective - LIST AB	M	-	219/A
Name of Nearest Town or Feature.	-	O	214/B
Task Area Location.	M*	M*	214/E
Survivability Mission - LIST AI	O	-	213/A
Survivability Task - LIST AJ	M	O	213/B
Type of Position - LIST AK	M	-	213/C
Cover or Protection Level - LIST AL	M	-	213/D
Unit Level - LIST AM	M	-	213/E
Unit Type - LIST AN	M	-	213/F

TITLE	A	B	SERIAL
Task Area Location.	M*	M*	214/E
Name of Nearest Town or Feature.	-	O	214/B
General Engineer Support Mission - LIST AQ	O	-	204/A
General Engineer Support Task - LIST AP	M	-	204/B
Degree of Permanency - LIST Q	M	-	204/C
Manpower Data.	O*	O*	261/A
Equipment Data.	O*	O*	269/A
Materiel Data	O*	O*	270/A
Assessed Capability	-	M	212/C
Task Time (hours)	-	M	217/G
Limitations - LIST AT	-	M*	212/D
Remarks.	O	O	297/A
Acknowledge.	M	M	299/A

ENGINEER ANNEX TO A FORMATION OPERATION ORDER
E202

ENGOPO

PURPOSE

This message includes all the essential information required in the Engineer Annex to a formation Operation Order.

USAGE

The Engineer Annex will only contain information which is not included in the main Operation Order

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ENGINEER ANNEX TO THE OPERATION ORDER

E202

A -ENGOPO

TITLE	A	SERIAL
Name of Report	M	200/A
Task Serial Number	M	202/A
Time Zone	M	201/C
Reporting Unit ID.	O	205/A
Map Sheet Numbers.	M*	214/A
Enemy Engineer Forces.	M	247/A
Friendly Engineer Forces.	M	248/A
Attached Unit ID.	M	205/I
Command Relationship. - LIST BD	M	205/K
Detached Unit.	M	205/J
Command Relationship - LIST BD	M	205/K
Engineer Mission Statement.	M	249/A
Engineer Commander's Intent.	M	250/A
Engineer Concept of Operations.	M	251/A
No Reconnaissance Before	O	216/A
No Work before	O	217/A
Additional Timings.	O	217/J
Unit / Sub Unit Identification.	M	205/F
Tasks in Priority.	M*	207/D
No Reconnaissance Before	O	216/A
No Work before	O	217/A
Additional Timings.	O	217/J

TITLE	A	SERIAL
Attached Unit.	M	205/I
Command Relationship - LIST BD	M	205/K
Tasks in Priority.	M*	207/D
No Reconnaissance Before	O	216/A
No Work before	O	217/A
Additional Timings.	O	217/J
Obstacle Restrictions.	O	214/Q
Barrier Restricted Area.	O	214/R
Additional Locations.	O	214/S
Obstacle zone/Belt Name or Number	O*	209/A
Obstacle Zone / Belt Control Measures.	O	209/D
Additional Co-ordinating Instructions	O	252/A
Mine and Explosive Dump.	M	266/A
Mine and Explosive Available at Time.	O	266/B
Mines and Explosives Disposal Site.	O*	266/C
Unit / Sub Unit Identification.	M	205/F
Antitank Mine Details.	O*	263/A
Antipersonnel Mine Details.	O*	264/A
Explosives Details.	O*	265/A
Unit / Sub Unit Identification.	M	205/F
Equipment Data.	O*	269/A
Materiel Data	O*	270/A
Equipment and Materiel RV and Time.	O*	271/B
Additional Service Support Information	O	274/A
HQ Location - Real.	M	205/C

TITLE	A	SERIAL
HQ Location - Planned.	M	205/D
Effective DTG.	M	205/E
Other Headquarters ID and Location.	O*	205/L
Name of unit with which Coordination is Foreseen or Necessary.	M	288/A
Radio frequency / Call sign of Unit Concerned.	O*	288/B
Own Call Sign.	O	288/C
RV Details.	M	288/D
Critical Engineer Equipment.	O	295/A
Other Command and Signals Information.	O	296/A
Remarks.	O	297/A
Acknowledge.	M	299/A

ENGINEER REPORT

E203

ENGREP

PURPOSE

The purpose of this message is to report task progress and unit combat effectiveness from brigade level up to corps level.

USAGE

The ENGREP has been developed from existing versions of the ENGREP which are included in AD 80-50.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

ENGINEER REPORT

E203

A -ENGREP

TITLE		SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Reporting Unit ID.	M	205/A
General Overall Status of Unit.	M	205/B
HQ Location - Real.	M	205/C
HQ Location - Planned.	O	205/D
Effective DTG.	O	205/E
Unit / Sub Unit Identification.	M	205/F
General Overall Status of Sub-Unit. Personnel LIST BJ/ Equipment: - LIST BK	M	205/G
Sub Unit HQ Location.	M	205/H
Engineer Task Type: - LIST AR	M	207/A
Task Serial Number	M	202/A
Task Nickname.	O	207/C
Status of Task : - LIST H	M	212/A
Estimated DTG of Completion.	M	212/B
Assessed Capability.	M	212/C
Limitations: - LIST AT	O*	212/D
Combat Effectiveness over 24 hrs. Personnel LIST BJ/ Equipment: - LIST BK	O	261/D
Combat Effectiveness over 48 hrs .Personnel LIST BJ/ Equipment: - LIST BK	O	261/E
Combat Effectiveness over 72 hrs. Personnel LIST BJ/ Equipment: - LIST BK	O	261/F
Remarks.	O	297/A
Acknowledge.	M	299/A

ENGINEER UNIT STATUS REPORT

E204

ENGRDATAREP

PURPOSE

The purpose of this message is to pass effective unit and asset details from brigade to corps level.

USAGE

The message is designed to provide detailed information about the number of effective units by type, generic equipment types in terms of availability, and committed and uncommitted major items of materiel.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

E204

ENGINEER UNIT STATUS REPORT

E204

A -ENGRDATAREP

TITLE	A	SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Unit Combat Effectiveness - Personnel / Equipment - LIST BJ and BK.	M*	261/B
Sub-Units Type and Quantity.	M*	261/C
Anti-Tank Mines available - LIST AO.	M*	263/B
Antipersonnel Mine available - LIST AO.	M*	264/B
Explosives available - LIST AO.	M*	265/B
Mine Laying Assets - LIST AO	M*	267/B
Mine Breaching Assets - LIST AO	M*	267/C
Combat Engineer Vehicles - LIST AO	M*	269/B
General Engineer Equipment - LIST AO	M*	269/C
Survivability Materiel - LIST AO	M*	269/D
National Stores List Items	O*	270/B
Tonnes of Grounded Materiel or to be Lifted.	O	270/C
Volume of Grounded Materiel or to be Lifted.	O	270/D
Weight of Largest Item to be Lifted.	O	270/E
Wet Bridging Resources - LIST AO	M*	272/B
Dry Support Bridging Resources - LIST AO	M*	272/C
Assault Bridging Resources - LIST AO	M*	272/D
Remarks.	O	297/A
Acknowledge.	M	299/A

303. Section 3 - Engineer related all-arms Messages.

SCATTERABLE MINEFIELD MESSAGES

SCATMINREQ *(SCATTERABLE MINEFIELD REQUEST)*

E301 GROUP

SCATMINORD *(SCATTERABLE MINEFIELD ORDER)*

SCATMINREP *(SCATTERABLE MINEFIELD REPORT)*

SCATMINWARN*(SCATTERABLE MINEFIELD WARNING)*

SCATMINREC *(SCATTERABLE MINEFIELD RECORD)*

PURPOSE

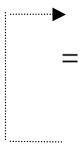
The purpose of this group of messages is to provide a format for disseminating information relating to friendly scatterable mine activity.

USAGE

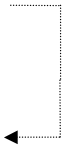
This all-arms message is suitable as a Level 1 and 2 message. It may be used for requesting, ordering, warning, reporting and recording scatterable minefield missions.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability



= Repeatable segment



= Optional segment

E301

SCATTERABLE MINEFIELD MESSAGES

E301

A -SCATMINREQ	B -SCATMINORD	C -SCATMINWARN	D -SCATMINREP	E -SCATMINREC

TITLE	A	B	C	D	E	SERIAL
Name of Report	M	M	M	M	M	200/A
Task Serial Number	O	M	O	M	M	202/A
Obstacle zone/Belt Name or Number.	O	O	O	O	O	209/A
Obstacle/Target Number or Nickname.	O	O	M	M	M	209/B
Map Sheet Numbers.	M*	M*	M*	M*	M*	214/A
Name of Nearest Town or Feature.	O	O	O	O	O	214/B
Obstacle Grid Co-ordinates.	M*	M*	M*	M*	M*	214/D
Aim Point.	-	O*	-	-	O*	214/G
Safety Zone (m) .	O	O	M	-	M	214/H
Actual Completion Time of Task	-	-	-	M	O	217/E
Tactical Objective - LIST AB	O	M	-	-	-	219/A
Target.	M	M	-	-	-	219/B
Minefield Density - LIST Z	-	-	-	O	-	219/F
Laying Method / System - LIST BF	O	M	M	-	M	219/H
Approving Authority	O	M	-	-	M	227/C
Unit Laying Mines.	-	M	M	M	M	227/E
No Mines before.	M	M	M	-	-	228/A
No Mines after.	M	M	M	-	-	228/B
Minefield Effective at.	O	M	M	M	M	228/E
Minefield Ceases to be Effective at.	O	M	M	M	M	228/F
Mine Type / Description / Quantity - LIST BH	-	O*	-	O*	M	228/G
Remarks.	O	O	O	O	O	297/A
Acknowledge.	M	M	M	M	M	299/A

RESERVED DEMOLITION ORDER - STANAG 2017

E302

DMLORD

PURPOSE

The purpose of this message is to provide the means for disseminating information relating to the execution of a reserved demolition.

USAGE

This all-arms message is based exactly on STANAG 2017. Most nations already have their own versions of STANAG 2017 on pre-printed forms. Although existing forms can still be used, this format has been designed for eventual use in an automatic system. Note that reconnaissance for the reserved demolition is carried out by engineers using the E121 group of message. The demolition completion report is completed by the demolition firing party commander using message E121D (BRDMLREP).

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability
C = Conditional

= Repeatable segment

= Optional segment

RESERVED DEMOLITION ORDER - STANAG 2017

E302

DMLORD

TITLE	A		SERIAL
Name of Report	M		200/A
Task Serial Number	M		202/A
Type of Target: - LIST AA	M		210/A
Obstacle Grid Co-ordinates.	M		214/D
Obstacle/Target Number or Nickname.	M		214/P
Method Description	M		224/C
Demolition Guard	M		226/A
Demolition Firing Party	M		226/B
Firing Party Commander (FPC) Orders: - LIST AW	M		226/C
State of Readiness to be Prepared by (DTG).	M		226/D
All other orders will be issued by the Demolition Guard Commander.	M		226/E
There is no Demolition Guard, FPC is to act as DGC .	M		226/F
Demolition is to be fired : - LIST AY	M*		226/G
Others orders for firing .	C	on ID being selected in 226/G	226/H
DGC will fire the demolition on his initiative if the enemy is in the act of capturing	M		226/I
How orders other than for firing will be given: - LIST AX	M*		233/A
By whom, orders, other than for firing, will be given.	M*		233/B
Code change, State 1 to State 2.	M		233/C
Code change State 2 to State 1.	M		233/D
Change code: Demolition Firing.	M		233/E
Change code: Demolition Guard.	M		233/F
Change code: Other orders.	M		233/G
Change code: Demolition code by radio.	M		233/H
Change code: Authorized Commander.	M		233/I

TITLE	A	SERIAL
Change code: Demolition Firing.	M	233/J
Change code: Demolition Firing.	M	233/K
Authorised Commander Details.	M	237/A
Signature and DTG Details.	M	237/B
Remarks.	O	297/A
Acknowledge.	M	299/A

OBSTACLE REPORT

E303

OBSREP

PURPOSE

The purpose of this message is to provide the means of reporting obstacles, booby traps or areas of environmental damage or contamination up the chain of command.

USAGE

This all-arms message is for use at unit level to report the encountering of obstacles. This report is passed up to formation level where the impact of the obstacle on future intentions is assessed. If in a vital area engineer reconnaissance will be tasked, reporting back using the following messages:

E112 - Gap Crossing Messages
E113 - Minefield Breaching and Clearing Messages
E120 - Obstacle Messages

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

OBSTACLE REPORT

E303

A -OBSREP

TITLE	A	SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Reporting Unit ID.	M	205/A
Type of Obstacle - LIST E	M*	210/B
Are Mines Present? - LIST AZ	M	210/D
Generic Mine Type - LIST C	M*	210/E
Obstacle Characteristics - LIST BE	M*	210/I
Map Sheet Numbers.	M*	214/A
Name of Nearest Town or Feature.	O	214/B
Obstacle Grid Co-ordinates.	M*	214/D
Obstacle Dimensions (m).	M	214/I
Assessed time to repair/bypass OR duration - LIST BP	*M*	*239/A*
Obstacle Entry Point.	M	214/J
Obstacle Exit Point.	M	214/K
Environmental Impact assessment	*O*	*300/A*
Remarks.	O	297/A
Acknowledge.	M	299/A

RESOURCES INTELLIGENCE REPORT

E304

ENGRRESREP

PURPOSE

The purpose of this message is to provide the means of disseminating resources related information.

USAGE

This all-arms message is for use at unit level, normally by reconnaissance units. The identification of resources which may be of future use frequently forms part of intelligence collection plans. Reports should be passed up the G2 chain.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

RESOURCES INTELLIGENCE REPORT

E304

A -ENGRRESREP

TITLE	A	SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Reporting Unit ID.	M	205/A
Nature of Resource - LIST BA.	M	236/A
Description of Resources.	M	236/B
Map Sheet Numbers.	M*	214/A
Name of Nearest Town or Feature.	O	214/B
Resource Location.	M	236/C
Remarks.	O	297/A
Acknowledge.	M	299/A

FRIENDLY OBSTACLE LIST (BARRIER REPORT)

E305

BARREP

PURPOSE

The purpose of this message is to provide the means of disseminating information on friendly obstacle from formation to unit level.

USAGE

This all-arms message enables formation HQs to pass information on current and planned obstacles in the own force barrier plan, down to unit level.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

FRIENDLY OBSTACLE LIST (BARRIER REPORT)

E305

A -BARREP

TITLE	A	SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Map Sheet Numbers.	M*	214/A
Related to OPORD No..	M	202/C
Reporting Unit ID.	M	205/A
Type of Obstacle - LIST E	M	210/B
Obstacle/Target Number or Nickname.	M	209/B
Obstacle zone/Belt Name or Number.	O	209/A
Obstacle Grid Co-ordinates.	M*	214/D
Generic Mine Type - LIST C	M*	210/E
Obstacle Status - LIST AC	M*	210/H
Effective Period (DTG)	M	210/J
Remarks.	O	297/A
Acknowledge.	M	299/A

INTENT TO LAY MINEFIELD REPORT

E306

INTTOLAY

PURPOSE

The purpose of this message is to provide the means of disseminating information relating to a tactical commander's intent to lay a minefield.

USAGE

This all-arms message normally, but not exclusively, relates to protective minefields.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

= Repeatable segment

= Optional segment

INTENT TO LAY MINEFIELD REPORT

E306

A - INTTOLAY

TITLE	A	SERIAL
Name of Report	M	200/A
Map Sheet Numbers.	M*	214/A
Name of Nearest Town or Feature.	O	214/B
Task Serial Number	O	202/A
Minefield Boundary.	M*	214/C
Obstacle zone/Belt Name or Number.	O	209/A
Type of Minefield - LIST B	M	210/C
Generic Mine Type - LIST C	M*	210/E
Obstacle Status - LIST AC	M	210/H
Start task at.	M	217/C
Effective Period (DTG)	M	210/J
Number of Lanes and Gaps	M	228/H
Lane or Gap Identification. LIST F	M	229/A
Lane / Gap Width (m)	M	229/D
Entrance and Exit	M	229/C
Remarks.	O	297/A
Acknowledge.	M	299/A

ENGINEER SPOT REPORT

E307

PURPOSE

The purpose of this message is to supplement the information in the last ENGRSITREP, less information on barriers and main obstacles. It should include any events that are of sufficient operational importance that they demand transmission outside of the normal reporting cycle.

USAGE

This all-arms message is for use to report any incidents or events of particular engineer interest such as: the destruction of vital targets; the destruction or capture of important targets; damage to Main Supply Routes (MSRs); closure or opening of a bridge or road; mine/UXO accident or incident; arrival of reinforcing engineer units and significant shortages of resources such as manpower or bridging. Engineer reconnaissance may be tasked as a result.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

ENGINEER SPOT REPORT

E307

A - ENGRSPOTREP

TITLE	A	SERIAL
Name of Report	M	200/A
DTG of report	M	201/A
Reporting unit ID	M	205/A
Map Sheet Numbers.	M*	214/A
Name of Nearest Town or Feature.	O	214/B
Location of event	M*	238/A
Event	M	238/B
DTG of event	M	238C
Assessed time to repair/bypass OR duration - LIST BP	M	239/A
Remarks.	O	297/A
Acknowledge.	M	299/A

304. Section 4 - Engineer Messages above Corps level

ENGINEER SITUATION REPORT

E401

ENGRSITREP

PURPOSE

The purpose of this message is to report the status of the engineer force structure, engineer operations planned and in progress, as well as the engineer logistics status above corps level.

USAGE

The ENGRSITREP has been developed to allow Component Commander's (CC) Headquarters to give the CJ Chief Engr a broad overview of the status of the engineer force structure, engineer operations planned and in progress, as well as the engineer logistics. The message is sent in accordance with timings laid down in SOPs. This message may be used below CC HQ.

CONVENTIONS USED

M = Mandatory entry
O = Optional entry
M* = Mandatory entry with optional repeatability
O* = Optional entry and, if selected, offers repeatability

[ ] = Repeatable segment

[ ] = Optional segment

ENGINEER SITUATION REPORT

E401

A -ENGRSITREP

TITLE	A				SERIAL
Name of Report	M				200/A
DTG of report	M				201/A
Reporting HQ or Formation ID.	***M***				***290/A***
Executive summary	***M***				***291/A***
General overall status of HQ. Personnel LIST BJ/Equipment LIST BK	M				291/B
Manoeuvre Formation Identification.	***M***				***292/A***
General Overall Status of ManoeuvreFormation. Personnel LIST BJ/ Equipment: - LIST BK	***M***				***292/B***
Remarks	O				297/A
Assessment of current Combat Support Engineering Operations/Mobility	***M***				***293/A***
Assessment of *current Combat Support Engineering Operations* ***/Counter-mobility***	***M***				***293/B***
Assessment of *current Combat Support Engineering Operations*	***M***				***293/C***

TITLE	A				SERIAL
/Survivability					
Assessment of *current Combat Support Engineering Operations* ***/General Engineer Support***	***M***				***293/D***
Assessment of current Force Support Engineering operations – List AP	***M***				***293/E***
Assessment of planned Combat Support Engineering Operations /Mobility	***M***				***294/A***
Assessment of *planned Combat Support Engineering Operations* ***/Counter-mobility***	***M***				***294/B***
Assessment of *planned Combat Support Engineering Operations* ***/Survivability***	***M***				***294/C***
Assessment of *planned Combat Support Engineering Operations* **/General engineer support**	**M**				**294/D**
Assessment of planned Force Support Engineering Operations – List AP	**M**				**294/E**
Logistic status	***M***				***298/A***
Co-ordination/Assistance required	***O***				***298/B***
Remarks	O				297/A

TITLE	A				SERIAL
	M				*298/C*
Point of contact/OPR					
Acknowledge	M				299/A

CHAPTER 4

FIELD AND MESSAGE MATRIX

FIELD AND MESSAGE MATRIX

(amended as at 080502)

	E102	E103	E104	E110	E110	E111	E111	E111	E111	E112	E112	E112	E112	E112	E113	E113	E113	E113	E120	E120	E120	E120	E121	E121	E121	E121	E122	E122	E122	E122	E130	E130	E130	E130	E140	E140	E140	E140	E201	E201	E202	E203	E204	E301	E301	E301	E301	E301	E302	E303	E304	E305	E306	E307	E401
SERIAL	A	A	A	A	B	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	A	A	A	A	B	C	D	E	A	A	A	A	A	A	A
200/A	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
201/A	x	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	.	.	.	.	.	x	x	x	.	x	x
201/C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.
202/A	x	x	.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	x	x	x	x	x	x	.	.	.	x	.	.
202/B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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203/A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
203/B	.	.	.	.	.	.	.	.	.	.	.	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
203/C	.	.	.	.	.	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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204/A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
204/B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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SERIAL	E102 A	E103 A	E104 A	E110 A	E110 B	E111 A	E111 B	E111 C	E111 D	E112 A	E112 B	E112 C	E112 D	E113 A	E113 B	E113 C	E113 D	E120 A	E120 B	E120 C	E120 D	E121 A	E121 B	E121 C	E121 D	E122 A	E122 B	E122 C	E122 D	E130 A	E130 B	E130 C	E130 D	E140 A	E140 B	E140 C	E140 D	E201 A	E201 B	E202 A	E203 A	E204 A	E301 A	E301 B	E301 C	E301 D	E301 E	E302 A	E303 A	E304 A	E305 A	E306 A	E307 A	E401 A
206/A	.	x	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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209/B	x	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	.	.	.	.	.	x	.	.	.	.	x	x	x	x	x	.	.	.	x	.	.
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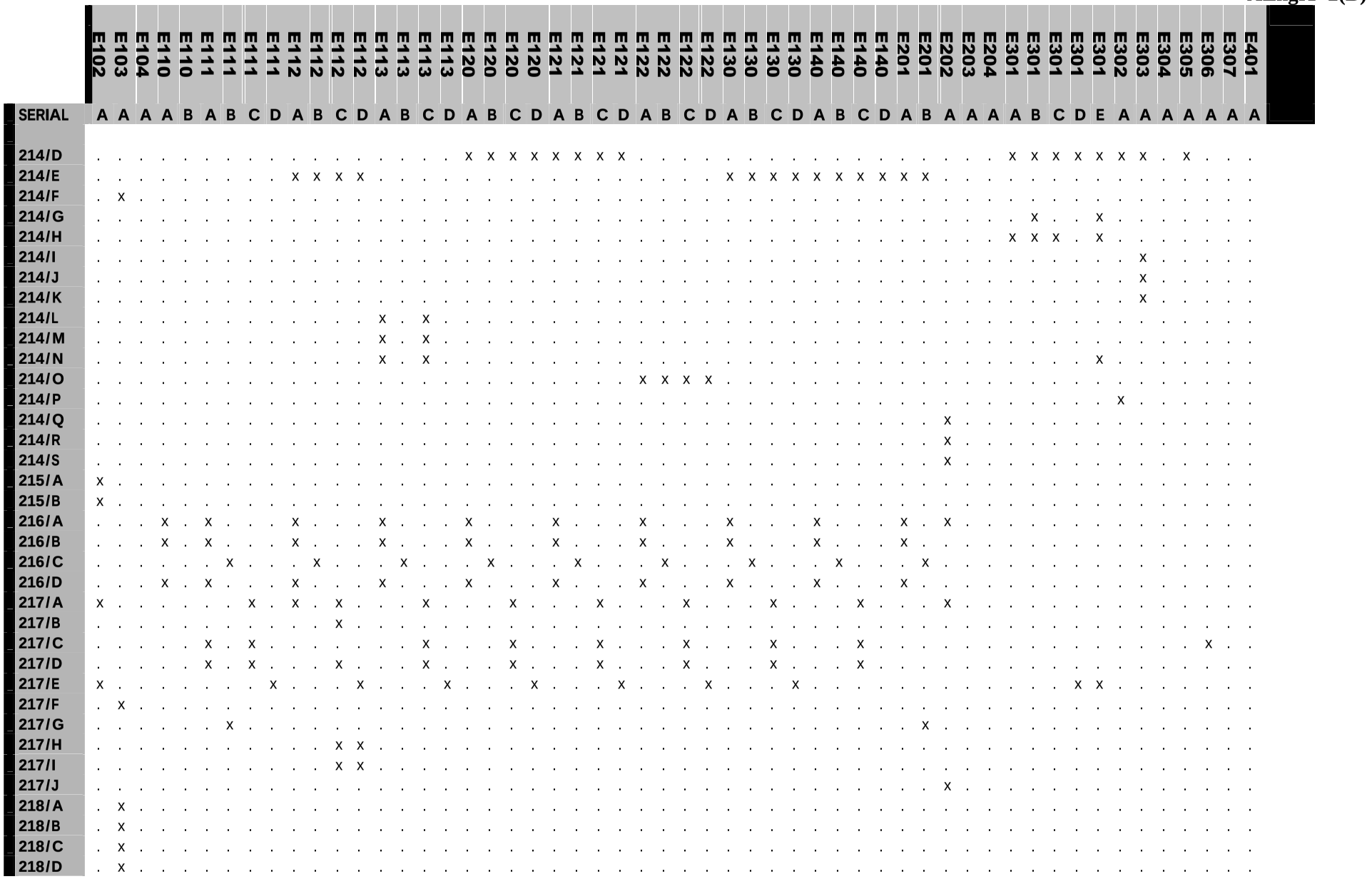
214/A	.	x	.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	x	x	x	x	.	.	x	x	x	x	x	x
214/B	.	x	.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	.	.	.	x	x	x	x	x	.	x	x	.	x	x	.
214/C	.	.	.	.	.	.	.	.	.	.	.	.	.	x	x	x	x	.	.	.	.	.	.	.	.	x	x	x	x	.	.	.	.	.	.	.	.	x	x	.	.	.	.	.	.	.	.	.	.	.	.	x	.


E102 E103 E104 E110 E110 E111 E111 E111 E111 E111 E112 E112 E112 E112 E113 E113 E113 E113 E120 E120 E120 E120 E121 E121 E121 E121 E122 E122 E122 E122 E130 E130 E130 E130 E140 E140 E140 E140 E201 E201 E202 E203 E204 E301 E301 E301 E301 E301 E302 E303 E304 E305 E306 E307 E401
SERIAL A A A A B A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A A A A B C D E A A A A A A A
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SERIAL	E102 A	E103 A	E104 A	E110 A	E110 B	E111 A	E111 B	E111 C	E111 D	E112 A	E112 B	E112 C	E112 D	E113 A	E113 B	E113 C	E113 D	E120 A	E120 B	E120 C	E120 D	E121 A	E121 B	E121 C	E121 D	E122 A	E122 B	E122 C	E122 D	E130 A	E130 B	E130 C	E130 D	E140 A	E140 B	E140 C	E140 D	E201 A	E201 B	E202 A	E203 A	E204 A	E301 A	E301 B	E301 C	E301 D	E301 E	E302 A	E303 A	E304 A	E305 A	E306 A	E307 A	E401 A
219/A																		x	x	x						x		x										x					x	x											
219/B																																												x	x											
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219/E														x	x	x	x									x	x	x	x																										
219/F														x	x	x	x									x	x	x	x																						x					
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219/H																																												x	x	x		x								
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219/J																						x	x	x																														
219/K																						x	x		x																													
219/L														x	x	x		x	x	x		x	x	x		x	x	x																										
219/M														x	x	x	x	x	x		x	x	x		x	x	x	x	x																									
219/N														x	x	x	x									x	x	x	x																										
220/A				x	x	x	x	x																																															
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220/C				x	x																																		x	x													
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	E102	E103	E104	E110	E110	E111	E111	E111	E111	E112	E112	E112	E112	E113	E113	E113	E113	E120	E120	E120	E120	E121	E121	E121	E121	E122	E122	E122	E122	E130	E130	E130	E130	E140	E140	E140	E140	E201	E201	E202	E203	E204	E301	E301	E301	E301	E301	E302	E303	E304	E305	E306	E307	E401
SERIAL	A	A	A	A	B	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	A	A	A	A	B	C	D	E	A	A	A	A	A	A	A
221/P					x																																																		
221/X							x																																														
222/A						x	x	x	x													x	x																														
222/B						x	x	x	x																																											
222/C						x	x	x	x																																											
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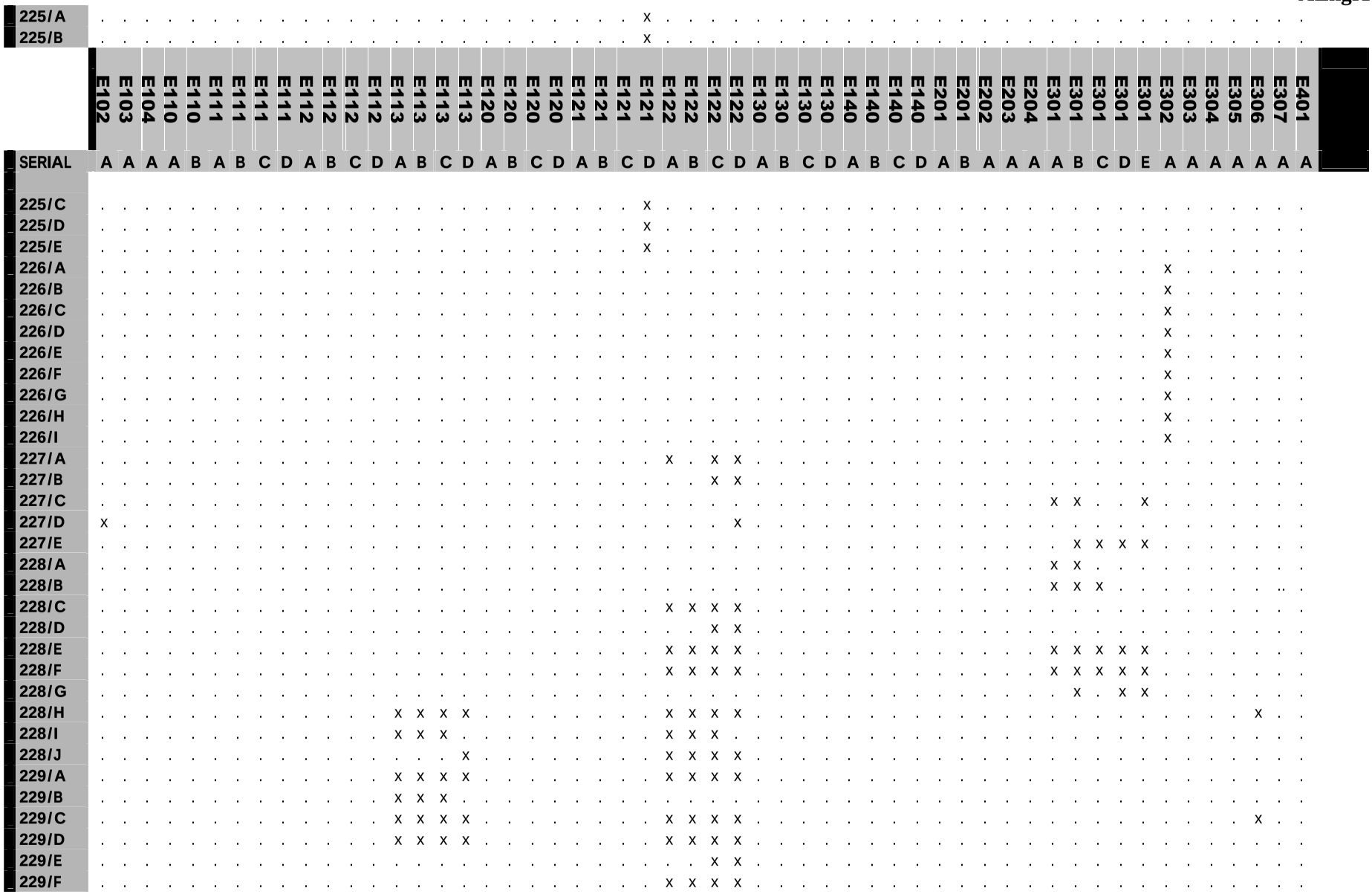
225/A
225/B
E102 E103 E104 E110 E110 E111 E111 E111 E111 E111 E112 E112 E112 E112 E113 E113 E113 E113 E120 E120 E120 E120 E121 E121 E121 E121 E122 E122 E122 E122 E130 E130 E130 E130 E140 E140 E140 E140 E201 E201 E202 E203 E204 E301 E301 E301 E301 E301 E302 E303 E304 E305 E306 E307 E401
SERIAL A A A A B A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D E A A A A A A A
225/C
225/D
225/E
226/A
226/B
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226/F
226/G
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226/I
227/A
227/B
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228/G
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229/A
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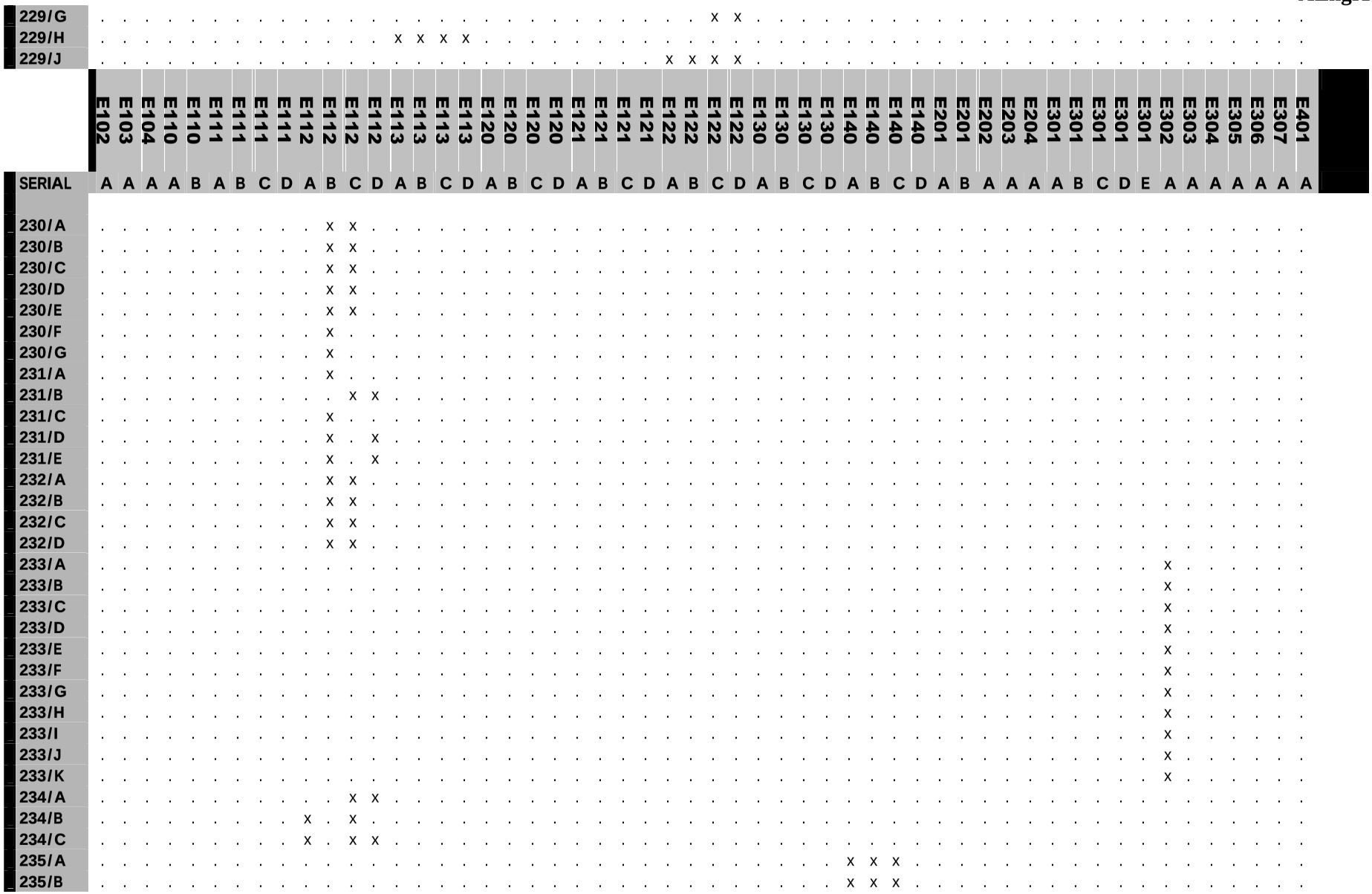
229/F

AEngrP-2(B)


229/G
229/H
229/J
E102 E103 E104 E110 E110 E111 E111 E111 E111 E111 E112 E112 E112 E112 E113 E113 E113 E113 E120 E120 E120 E120 E121 E121 E121 E121 E122 E122 E122 E122 E130 E130 E130 E130 E140 E140 E140 E140 E201 E201 E202 E203 E204 E301 E301 E301 E301 E301 E302 E303 E304 E305 E306 E307 E401
SERIAL
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230/A
230/B
230/C
230/D
230/E
230/F
230/G
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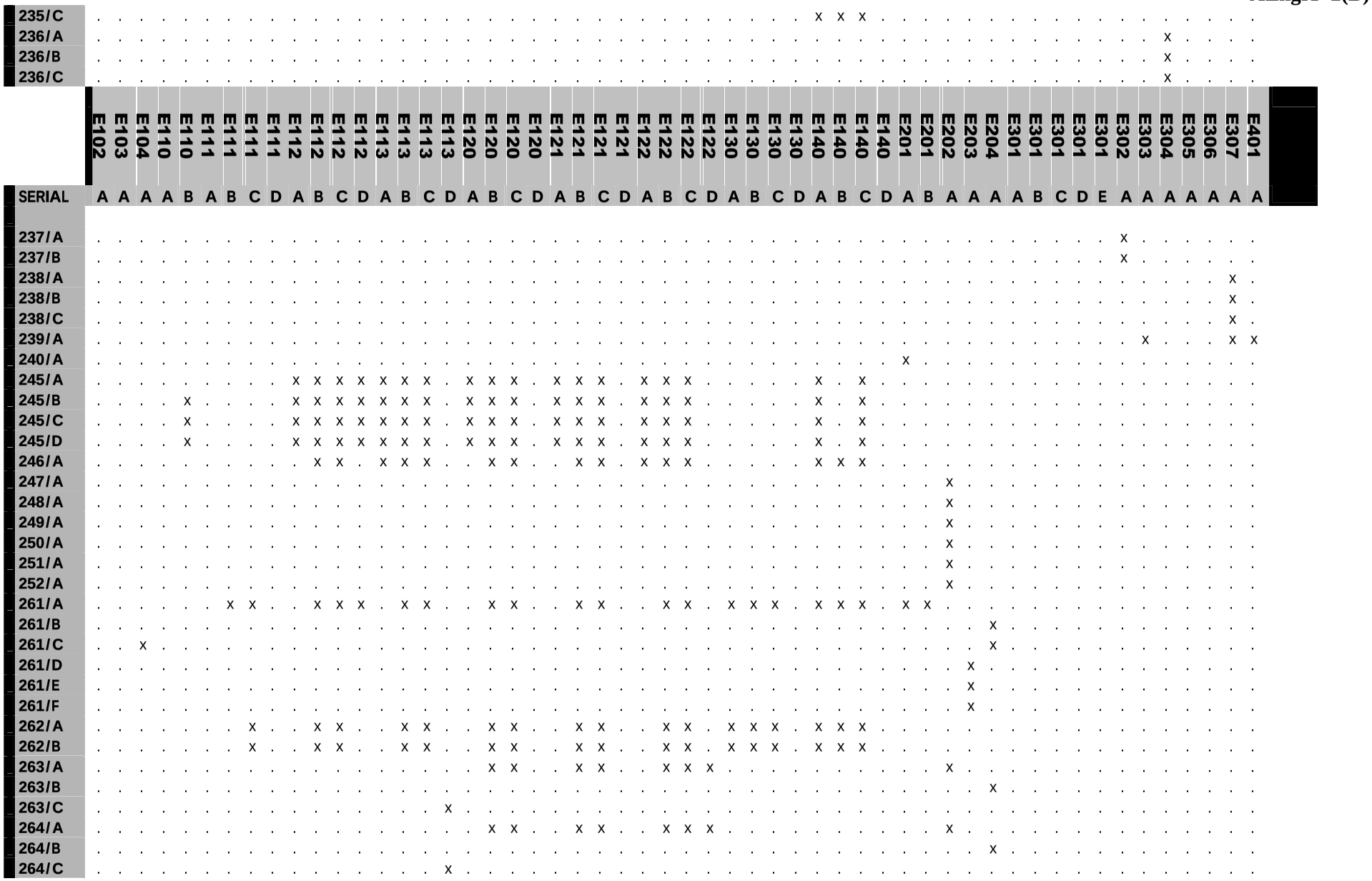
233/K
234/A
234/B
234/C
235/A
235/B


235/C
236/A
236/B
236/C
E102 E103 E104 E110 E110 E111 E111 E111 E111 E111 E112 E112 E112 E112 E113 E113 E113 E113 E120 E120 E120 E120 E121 E121 E121 E121 E122 E122 E122 E122 E130 E130 E130 E130 E140 E140 E140 E140 E201 E201 E202 E203 E204 E301 E301 E301 E301 E301 E302 E303 E304 E305 E306 E307 E401
SERIAL A A A A B A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D A B C D E A A A A A A A
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238/A
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238/C
239/A
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245/A
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245/C
245/D
246/A
247/A
248/A
249/A
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251/A
252/A
261/A
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262/B
263/A
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263/C
264/A
264/B
264/C

SERIAL	E102 A	E103 A	E104 A	E110 A	E110 B	E111 A	E111 B	E111 C	E111 D	E112 A	E112 B	E112 C	E112 D	E113 A	E113 B	E113 C	E113 D	E120 A	E120 B	E120 C	E120 D	E121 A	E121 B	E121 C	E121 D	E122 A	E122 B	E122 C	E122 D	E130 A	E130 B	E130 C	E130 D	E140 A	E140 B	E140 C	E140 D	E201 A	E201 B	E202 A	E203 A	E204 A	E301 A	E301 B	E301 C	E301 D	E301 E	E302 A	E303 A	E304 A	E305 A	E306 A	E307 A	E401 A
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265/B																																										X														
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288/B				X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X				X														
288/C				X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X				X														
288/D				X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X				X														
289/A								X				X				X				X				X				X				X				X																		
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290/A																																																							X

	E102	E103	E104	E110	E110	E111	E111	E111	E111	E112	E112	E112	E112	E113	E113	E113	E113	E120	E120	E120	E120	E121	E121	E121	E121	E122	E122	E122	E122	E130	E130	E130	E130	E140	E140	E140	E140	E201	E201	E202	E203	E204	E301	E301	E301	E301	E301	E302	E303	E304	E305	E306	E307	E401
SERIAL	A	A	A	A	B	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	A	A	A	A	B	C	D	E	A	A	A	A	A	A	A
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298/A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	x
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299/A	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
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CHAPTER 5

DATA FIELD DEFINITIONS

DATA FIELD DEFINITIONS

501. FIELD SPECIFICATION DESCRIPTION

1. The field specification defines the format and length of each field and gives the sequence of characters required in manual and automated systems. This sequence must be strictly followed. The nomenclature is explained below:

a. Format. These letters describes the type of field. "**X**" means any character, letter, number , "**N**" stands for a pure numeric value, "**A**" stands for an alphabetic character and "**S**" stands for special characters or symbols. "**FREE FORM**" means any character or symbol, except the symbol "/", is permitted. Blank spaces can be used but should be kept to a minimum.

b. Length :. The number indicates the length of the field.

c. "/ or //". Finally there is the field separator within a field serial number "/" which separates for example the information in 215/A from 215/B. "//" represents the end of a set of information for example 215/A and 215/B.

2. In an automated system, users would be prevented from entering incorrect characters. In addition certain fields and characters would be presented as selections or tables using pull down menus or pop up lists.

502. FIELD DEFINITIONS AND SPECIFICATIONS

200/A - Name of Report Format : AN Length : 4 Example : A999 /

Describes the report name/number .

201/A - DTG of report Format : AN Length : 12 Example : 999999AAAA99/

The DTG of the report from which any selected options within the Status of Task field are calculated.

201/C - Time Zone Format : A Length : 1 Example : A//

A single letter code to indicate the time zone used throughout the orders.

202/A - Task Serial Number Format : X Length : 10 Example : XXXXXXXXXX /

A unique task identifying number.

202/B - Clear Minefield ? Format : A Length : 3 Example : AAA//

A yes/no indication of whether the minefield is to be cleared.

202/C - Related to OPORD No.. Format : X Length : 12 Example : XXXXXXXXXXX //

Provides a unique OPORD reference to which the specific BARREP relates.

203/A - Obstacle Category - LIST X Format : A Length : 2 Example : AA //

A 2 letter code, from LIST X, to describe the obstacle category.

203/B - **Crossing Site Task - LIST W** Format : **A** Length : **1** Example : **A //**

A single letter code, from LIST W, to describe the crossing site task.

203/C - **Type of Task - LIST P** Format : **A** Length : **2** Example : **AA //**

A 2 letter code, from LIST P, to describe the type of task.

203/D - **Type of Recce - LIST AR** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST AR, to describe the type of recce being ordered.

203/E - **Aim of Reconnaissance** Format : **X** Length : **80** Example : **FREE FORM //**

A FREETEXT field to describe the aim of the reconnaissance.

204/A - **General Engineer Support Mission - LIST AQ** Format : **A** Length : **1** Example : **A /**

A one letter code, from LIST AQ, to describe the type of mission.

204/B - **General Engineer Support Task - LIST AP** Format : **NN** Length : **2** Example : **99 //**

A two number code, from LIST AP, to describe the type of task.

204/C - **Degree of Permanency - LIST Q** Format : **A** Length : **1** Example : **A /**

A one letter code, from LIST Q, to describe the degree of permanency of the task.

204/D - **Capacity.** Format : **X** Length : **80** Example : **FREE FORM //**

A FREETEXT field to describe the scope of the support task.

205/A - **Reporting Unit ID.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The ORGID of the unit making the report.

205/B - **General Overall Status of Unit.** Format : **N** Length : **3** Example : **9/9 /**

Describes the general overall status of the reporting unit's capability in terms of combat effectiveness for personnel/materiel.

205/C - **HQ Location - Real.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the current HQ location.

205/D - **HQ Location - Planned.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of future planned HQ locations.

205/E - **Effective DTG.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the planned location is to be occupied.

205/F - **Unit / Sub Unit Identification.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX //**

The ORGID of a unit or sub-unit.

205/G - **General Overall Status of Sub-Unit.** Format : **N** Length : **3** Example : **9/9 /**

Describes the general overall status of sub-unit capability in terms of combat effectiveness for personnel/materiel.

205/H - **Sub Unit HQ Location.** Format : **AN** Length : **12** Example : **99AA99999999 //**

The UTM grid co-ordinates of the current sub-unit HQ location.

205/I - **Attached Unit ID.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The ORGID of an attached unit or sub-unit.

205/J - **Detached Unit.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The ORGID of a detached unit or sub-unit.

205/K - **Command Relationship.** Format : **AN** Length : **28** Example : **99/999999AAAA99/999999AAAA99 //**

A 2 number code, from LIST BD, to describe the command relationship, followed by the DTG of the start and expiry of the Transfer of Authority.

205/L - **Other Headquarters ID and Location.** Format : **ANX** Length : **28** Example : **XXXXXXXXXXXXXXX/99AA99999999 //**

Provides the ORGID and location (UTM grid) of other HQs.

206/A - **Materiel Request Number.** Format : **X** Length : **5** Example : **XXXXX /**

A unique materiel request reference.

206/B - **Materiel Release Number.** Format : **X** Length : **5** Example : **XXXXX //**

A unique materiel release reference.

206/C - **Request or Release?** Format : **A** Length : **3** Example : **AAA//**

A 'req' or 'rel' response to describe whether the message relates to a materiel request or release.

207/A - **Engineer Task Type.** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST AR, to describe the type or category of task.

207/C - **Task Nickname.** Format : **X** Length : **21** Example : **XXXXXXXXXXXXXXXXXXXXX //**

A unique nickname assigned to a specific task.

207/D - **Tasks in Priority.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field for listing tasks in order of priority.

208/A - **Crossing Site Serial Number.** Format : **N** Length : **7** Example : **9999999 /**

A unique crossing site identifying number.

208/B - **Crossing Sites Folder.** Format : **X** Length : **14** Example : **XXXXXXXXXXXXXX //**

Provides the name of the crossing site / crossing area folder (if used).

208/C - **Crossing Area Boundaries.** Format : **AN** Length : **25** Example : **99AA99999999/99AA99999999 //**

Provides the UTM grid co-ordinates of the crossing area boundaries.

209/A - **Obstacle zone/Belt Name or Number.** Format : X Length : 14 Example : XXXXXXXXXXXXXX /

The zone and belt number/name or national equivalent.

209/B - **Obstacle/Target Number or Nickname.** Format : X Length : 21 Example : XXXXXXXXXXXXXXXXXXXXX /

The individual obstacle target number or nickname - not both.

209/D - **Obstacle Zone / Belt Control Measures.** Format : X Length : 240 Example : FREE FORM //

A FREETEXT field to describe any Obstacle Zone /Belt control measures, for example, the description of barrier free or barrier restricted areas.

210/A - **Type of Target - LIST AA** Format : A Length : 2 Example : AA /

A 2 letter code, from LIST AA, to describe the target type.

210/B - **Type of Obstacle - LIST E** Format : A Length : 2 Example : AA /

A 2 letter code, from LIST E, to describe the type of obstacle.

210/C - **Type of Minefield - LIST B** Format : A Length : 2 Example : AA /

A 2 letter code, from LIST B, to describe the type of minefield.

210/D - **Are Mines Present? - LIST AZ** Format : N Length : 2 Example : 99 /

A 2 number code, from LIST AZ, to indicate the presence of mines.

210/E - **Generic Mine Type - LIST C** Format : **A** Length : **1** Example : **A /**

A one letter code,from LIST C, to describe the type of mines.

210/F - **Trafficable when prepared for demolition?** Format : **A** Length : **3** Example : **AAA/**

A yes/no indication of whether the bridge is trafficable after preparation for demolition.

210/G - **Bridge Demolition Status - LIST AC** Format : **A** Length : **3** Example : **AAA //**

A 3 letter code, from LIST AC, to indicate the bridge status.

210/H - **Obstacle Status - LIST AC** Format : **A** Length : **3** Example : **AAA /**

A 3 letter code, from LIST AC, to describe the obstacle status.

210/I - **Obstacle Characteristics - LIST BE** Format : **A** Length : **3** Example : **AAA //**

A 3 letter code, from LIST BE, to describe the obstacle characteristics.

210/J - **Effective Period (DTG)** Format : **AN** Length : **25** Example : **999999AAAA99/999999AAAA99 //**

Provides the start and finish DTG for the period during which the obstacle is to remain effective.

211/A - **Type of Crossing Site and Assessment - LIST U and LIST V** Format : **A** Length : **5** Example : **AA/AA //**

A 2 letter code, one from LIST U, and the other from LIST V, to describe the type of crossing and its potential for that type.

212/A - **Status of Task - LIST H** Format : **N** Length : **2** Example : **99 /**

A 2 digit number, from LIST H, to describe the task status.

212/B - **Estimated DTG of Completion.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

Provides the DTG of the estimated task completion time.

212/C - **Assessed Capability.** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the unit is capable of completing the task.

212/D - **Limitations - LIST AT** Format : **A** Length : **3** Example : **AAA //**

A 3 letter code, from LIST AT, to describe any limitations.

213/A - **Survivability Mission - LIST AI** Format : **A** Length : **1** Example : **A /**

A one letter code, from LIST AI, to describe the type of mission.

213/B - **Survivability Task - LIST AJ** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST AJ, to describe the task.

213/C - **Type of Position - LIST AK** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST AK, to indicate the type of position.

213/D - **Cover or Protection Level - LIST AL** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST AL, to indicate the level of cover or protection.

213/E - **Unit Level - LIST AM** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST AM, to indicate the level of unit.

213/F - **Unit Type - LIST AN** Format : **N** Length : **2** Example : **99 //**

A 2 number code, from LIST AN, to indicate the type of unit.

214/A - **Map Sheet Numbers.** Format : **X** Length : **16** Example : **XXXXXXXXXXXXXXXX /**

Describes the map sheet numbers relevant to the message.

214/B - **Name of Nearest Town or Feature.** Format : **X** Length : **14** Example : **XXXXXXXXXXXXXX /**

The name of a nearby town or feature to assist in locating a task area.

214/C - **Minefield Boundary.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the corner points and major changes in direction of a minefield boundary.

214/D - **Obstacle Grid Co-ordinates.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM co-ordinates of the obstacle.

214/E - **Task Area Location.** Format : **AN** Length : **12** Example : **99AA99999999 //**

The UTM co-ordinates of the area or location of the task.

214/F - **Delivery Point.** Format : **AN** Length : **12** Example : **99AA99999999 //**

The UTM grid co-ordinates of the materiels delivery point.

214/G - **Aim Point.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the aim point, around which the mines are expected to fall to ground.

214/H - **Safety Zone (m) .** Format : **AN** Length : **5** Example : **A/999 //**

Indicates the size, in metres, of the safety zone of a scatterable minefield. If air or artillery scattered, select "A" and add the radial distance in metres from the aim point to the edge of the safety zone. If ground dispensed, select "B" and add the distance from the planned minefield boundary to the edge of the safety zone.

214/I - **Obstacle Dimensions (m).** Format : **N** Length : **11** Example : **9999/999/99 /**

Indicates, in metres, the estimated length, width and height or depth of any obstacle.

214/J - **Obstacle Entry Point.** Format : **AN** Length : **12** Example : **99AA99999999 /**

Describes the UTM grid co-ordinates of the point of entry into or across an obstacle but NOT a minefield.

214/K - **Obstacle Exit Point.** Format : **AN** Length : **12** Example : **99AA99999999 //**

Describes the UTM grid co-ordinates of the point of exit out of an obstacle but NOT a minefield.

214/L - **Engineer Control HQ** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the engineer control HQ responsible for control of the engineer aspects of the operation.

214/M - **All Arms Control HQ** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the control HQ responsible for all aspects of the operation, less the detailed engineer breaching task execution.

214/N - **Traffic Control Post** Format : **AN** Length : **12** Example : **99AA99999999 //**

The UTM grid co-ordinates of the traffic control post associated with a minefield breaching operation.

214/O - **Main Tactical Road.** Format : **X** Length : **14** Example : **XXXXXXXXXXXXX //**

Describes the name, nickname or route number of the main tactical road through the minefield.

214/P - **Obstacle/Target Number or Nickname.** Format : **X** Length : **21** Example : **XXXXXXXXXXXXXXXXXXXX //**

The individual obstacle target number or nickname - not both.

214/Q - **Obstacle Restrictions.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to describe any restrictions, including description and timings, concerning an obstacle.

214/R - **Barrier Restricted Area.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to describe any restrictions, including description and timings, concerning barrier restricted areas.

214/S - **Additional Locations.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to describe any miscellaneous additional locations not catered for by other fields.

215/A - **Estimated Start Time of Task** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG, it is estimated, that a future task might start.

215/B - **Estimated Completion Time of Task** Format : **AN** Length : **12** Example : **999999AAAA99 //**

The DTG at which a task is expected to be completed.

216/A - **No Reconnaissance Before** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG before which no reconnaissance is to be carried out.

216/B - **Reconnaissance to be Completed by** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG by which the reconnaissance must be completed.

216/C - **Reconnaissance Completed at** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the reconnaissance was completed.

216/D - **Reconnaissance Report to be submitted by** Format : **AN** Length : **12** Example : **999999AAAA99 //**

The DTG by which a reconnaissance report is to be submitted.

217/A - **No Work before** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG before which no work on site is permitted.

217/B - **Actual Start Time of Task.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the first on site task activity was started.

217/C - **Start task at.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the task is ordered to start.

217/D - **Task to be Complete Before** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG before which the task is to be completed.

217/E - **Actual Completion Time of Task** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the task was completed.

217/F - **Time required for Loading (hours)** Format : **N** Length : **3** Example : **999 //**

The time required, in hours, at the stores depot/location, to load the task stores required.

217/G - **Task Time (hours)** Format : **N** Length : **3** Example : **999 //**

The time in hours to complete the task.

217/H - **Open Crossing Site at.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the first vehicles can cross the obstacle.

217/I - **Close Crossing Site at.** Format : **AN** Length : **12** Example : **999999AAAA99 //**

The DTG at which the last vehicles are permitted to cross the obstacle.

217/J - **Additional Timings.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to enable the inclusion of miscellaneous timings.

218/A - **Materiel Required at Time.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the requested materiel is required.

218/B - **Loading Transport Required at Time.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which the transport is required for loading.

218/C - **Transportation/Loading Equipment Release Time.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

Provides the DTG at which transport, Mechanical Handling Equipment (MHE) and other heavy equipment will have completed their task and can be released for further tasking.

218/D - **MHE Requirement.** Format : **N** Length : **3** Example : **9 //**

A Yes/No indication of whether Mechanical Handling Equipment is required.

219/A - **Tactical Objective - LIST AB** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST AB, to describe the tactical objective of the minefield or obstacle.

219/B - **Target.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides a concise identification/description of the intended target

219/D - **Anti-handling Devices (%)** Format : **A** Length : **3** Example : **AAA /**

Describes the percentage anti-handling devices in the range 0-100%.

219/E - **Mine Rows** Format : **N** Length : **2** Example : **99 /**

The number of rows of mines within the minefield.

219/F - **Minefield Density - LIST Z** Format : **AN** Length : **6** Example : **A/9.99 /**

A one letter code, from LIST Z, to select a measure of density. This is followed by a figure which quantifies the density.

219/G - **Minefield Dimensions (m)** Format : **N** Length : **9** Example : **9999/9999 /**

Provides the maximum length and depth of the minefield in metres.

219/H - **Laying Method / System - LIST BF** Format : **A** Length : **2** Example : **AA //**

A 2 letter code, from LIST BF, to describe the method of laying the scatterable mines.

219/I - **Mine Laying Method - LIST D** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST D, to indicate the method by which the mines have been, or are to be, laid.

219/J - **To be Mined ?** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the obstacle is to be mined.

219/K - **Is Mined ?** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the obstacle is mined.

219/L - **To be Marked ?** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the obstacle is to be marked.

219/M - **Is Marked ?** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the obstacle is marked.

219/N - **Additional Minefield Obstacles - LIST E** Format : **ANX** Length : **50** Example : **XXXXXXXXXXXXXXXXXXXXX/AA/99AA99999999/99AA99999999//**

Describes the target number, obstacle type (LIST E) and UTM co-ordinates of any additional obstacles within the minefield.

220/A - **Military Route Name.** Format : **X** Length : **14** Example : **XXXXXXXXXXXXXX /**

Describes the military route name, for example, DIAMOND.

220/B - **Axis / Route Start Point.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of an axis/route start point.

220/C - **Axis / Route Intermediate Points.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the intermediate points along a route/axis.

220/D - **Axis / Route Release Point.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of an axis/route release point.

220/E - **Required MLC 1-way Tracked / Wheeled** Format : **A** Length : **7** Example : **AAA/AAA /**

Describes the required 1 way Military Load Classification (MLC) for tracked and wheeled vehicles.

220/F - **Required MLC 2-way Tracked / Wheeled** Format : **A** Length : **7** Example : **AAA/AAA /**

Describes the required 2 way Military Load Classification (MLC) for tracked and wheeled vehicles.

220/G - **Constraining Vehicle Factors.** Format : **N** Length : **28** Example : **99.99/99.99/99.99/9.99/99.99 /**

Describes, in metres, the vehicle constraining factors in the context of a route recce.

220/H - **Overall Status of Route.** Format : **A** Length : **3** Example : **AAA /**

A Yes/No response to indicate whether the requirements imposed can be met by the route without modification.

220/I - **Possible by-passes.** Format : **X** Length : **2** Example : **XX //**

A 2 character code to identify possible by-passes.

221/A - **Route Section Number** Format : **N** Length : **2** Example : **99 /**

A 2 digit number to uniquely identify (where a route or axis has been divided into a number of sections for detailed recce), a route section.

221/B - **Civilian Road Identification - Road Type / Road Number - LIST O** Format : **AX** Length : **7** Example : **A/XXXXX /**

A 1 letter code, from LIST O, to identify the civilian road type followed its descriptor.

221/C - **Road Section Location.** Format : **AN** Length : **25** Example : **99AA99999999/99AA99999999 /**

The UTM grid co-ordinates the start and end point of the particular road section.

221/D - **Route Lane Details.** Format : **N** Length : **5** Example : **9/999 /**

Indicates the number of lanes and the average lane width along the route.

221/E - **Section Obstructions - LIST E** Format : **AN** Length : **15** Example : **99AA99999999/AA /**

Provides the location (UTM grid co-ordinates) and, using a 2 letter code from LIST E, the type of obstruction that may be present within a route section.

221/F - **Route Feature - LIST L** Format : **A** Length : **2** Example : **AA /**

A 2 letters code, from LIST L, to describe the route feature.

221/H - **Carriageway Condition - LIST M** Format : **AN** Length : **15** Example : **99AA99999999/AA /**

Provides the location (UTM grid co-ordinates) and, using a 2 letter code from LIST M, the carriageway condition at that location.

221/I - **Limiting Requirements - LIST J** Format : **AN** Length : **8** Example : **AA/99.99 /**

Describes, using a 2 letter code from LIST J and a Factor Value, the limiting requirements being set for the route in advance of the recce.

221/J - **Overall Status.** Format : **A** Length : **3** Example : **AAA /**

A Yes/No response to indicate whether the requirements imposed can be met by the route without modification.

221/K - **Restrictions Found - LIST J** Format : **AN** Length : **8** Example : **AA/99.99 /**

Describes, using a 2 letter code from LIST J and a Factor Value, the restrictions found.

221/L - **Restrictions after Repair.** Format : **AN** Length : **6** Example : **AA/999 /**

Describes, using a 2 letter code from LIST BG and a Factor Value, the outstanding restrictions after repair.

221/M - **Estimated MLC 1-way - Tracked/Wheeled.** Format : **N** Length : **7** Example : **999/999 /**

Describes the estimated 1 way Military Load Classification (MLC) for tracked and wheeled vehicles.

221/N - **Estimated MLC 2-way - Tracked/Wheeled.** Format : **N** Length : **7** Example : **999/999 /**

Describes the estimated 2 way Military Load Classification (MLC) for tracked and wheeled vehicles.

221/P - **Structural Defect.** Format : **AN** Length : **17** Example : **999999AAAA99/AA/**

Provides the location (UTM grid co-ordinates) and, using a 2 number code from LIST BM, the type of structural defect that may be present within the route feature.

221/X - **Road Surface Type - LIST N** Format : **A** Length : **2** Example : **AA //**

A 2 letter code, from LIST N, to describe the road surface construction material.

222/A - **Bridge Military Identification.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Identifies the bridge with military number, if one exists, or with a nickname.

222/B - **Bridge Civilian Identification.** Format : **X** Length : **5** Example : **XXXXX /**

Identifies the bridge with a civilian name or number if one exists.

222/C - **Bridge Location.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the bridge.

222/D - **Name of Waterway or Feature.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The name of the wet or dry gap the bridge (or viaduct) crosses.

222/E - **Water and Gap Width (m).** Format : **N** Length : **7** Example : **999/999 /**

Describes the width of the waterway and the total width of the gap in metres.

222/F - **Bridge Dimensions (m).** Format : **N** Length : **11** Example : **999/999/999 /**

Describes the physical dimensions of the bridge, length, width and height clearance, in metres.

222/G - **Bridge Lanes (m).** Format : **N** Length : **5** Example : **9/999 /**

Describes the total number of bridge lanes and the average lane width.

222/H - **Bridge Type & Construction Material - LIST S / LIST N** Format : **A** Length : **5** Example : **AA/AA /**

A 2 letter code, from LIST S, to describe the bridge structure, followed by a 2 letter code, from LIST N, to describe the construction material.

222/I - **Bridge Pier Type & Construction Material - LIST T / LIST N** Format : **A** Length : **5** Example : **AA/AA /**

A 2 letter code, from LIST T, to describe the type of pier, followed by a 2 letter code, from LIST N, to describe the construction material.

222/J - **Abutment Material - LIST N** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST N, to describe abutment construction material.

222/L - **Bridge Function - LIST O** Format : **A** Length : **1** Example : **A /**

A 1 letter code, from LIST O, to describe the bridge function.

222/M - **Bridge Surface - LIST N** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST N, to describe the bridge surface construction material.

222/N - **Bridge Beam - LIST N** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST N, to describe the bridge beam construction material.

222/O - **Bridge Spans.** Format : **N** Length : **6** Example : **99/999 /**

The number of spans within the bridge and the length of the longest span.

222/P - **Traffic Volume.** Format : **N** Length : **3** Example : **999 /**

Records the estimated military and civilian traffic volume, in vehicles per hour, expected to pass over the bridge.

222/Q - **Civilian Load Classification.** Format : **N** Length : **3** Example : **999 /**

The maximum civilian load classification of the bridge.

222/R - **MLC Tracked 1-way / 2-way.** Format : **N** Length : **7** Example : **999/999 /**

Indicates the 1 and 2 way TRACKED MLC.

222/S - **MLC Wheeled 1-way / 2-way.** Format : **N** Length : **7** Example : **999/999 //**

Indicates the 1 and 2 way WHEELED MLC.

223/A - **Tunnel Military Identification.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Identifies the tunnel with military number or with a nickname if one exists.

223/B - **Tunnel Civilian Identification.** Format : **X** Length : **5** Example : **XXXXX /**

Identifies the tunnel with a civilian name or number if one exists.

223/C - **Tunnel Location.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the tunnel.

223/D - **Tunnel Dimensions (m).** Format : **N** Length : **11** Example : **999/999/999 /**

Describes the physical dimensions of the tunnel, length, width and height clearance, in metres.

223/E - **Tunnel Lanes.** Format : **N** Length : **5** Example : **9/999 /**

Describes the number of tunnel lanes and the average lane width in metres.

223/F - **Tunnel Description - LIST R, LIST N** Format : **A** Length : **5** Example : **AA/AA /**

A 2 letter code, from LIST R , to describe the shape of the cross section of the tunnel followed by a 2 letter code, from LIST N, to describe the tunnel construction material.

223/G - **Tunnel Road - LIST O, LIST N** Format : **A** Length : **4** Example : **A/AA /**

A 1 letter code, from LIST O, to identify the road type followed by a 2 letter code, from LIST N, to describe the surface construction material.

223/H - **Tunnel Horizontal Curve Radius (m)** Format : **N** Length : **3** Example : **999 //**

Describes in metres the minimum horizontal curve within the tunnel.

223/I - **Tunnel Vertical Gradient (%)** Format : **N** Length : **2** Example : **99 /**

Describes as a percentage the maximum vertical gradient within the tunnel.

224/A - **Demolition Method** Format : **N** Length : **2** Example : **99 /**

Indicates the number of cuts.

224/B - **Initiation Method and Firing Circuit - LIST AE / LIST F** Format : **A** Length : **3** Example : **A/A /**

A one letter code, from LIST AE, for the initiation method, followed by a one letter code, from LIST AF, for the description of the firing circuit.

224/C - **Method Description** Format : **X** Length : **240** Example : **FREE FORM /**

A free text field to describe the demolition method in greater detail.

224/D - **Distance from Logistic Stock Point to Obstacle (Km)** Format : **N** Length : **3** Example : **999 /**

Distance from Logistics Stock Point to the Location of the Obstacle (km).

224/E - **Firing Point** Format : **AN** Length : **12** Example : **99AA99999999 /**

The UTM grid co-ordinates of the firing point.

224/F - **STATE 1 to STATE 2 Time .** Format : **N** Length : **3** Example : **999 //**

In preparing a reserved demolition, the time required, in minutes, for the demolition firing party to connect the detonators into the firing circuit and test the circuit.

225/A - **Width of Gap (m)** Format : **N** Length : **2** Example : **99 /**

On completion of the demolition, records the estimated minimum width of the gap or clear span in metres.

225/B - **Number of Spans Down** Format : **N** Length : **1** Example : **9 /**

In a multi-span bridge or viaduct, indicates the number of spans cut and/or demolished.

225/C - **Number of Craters** Format : **N** Length : **2** Example : **99 /**

On completion of the demolition, indicates the number of craters blown on the approaches.

225/D - **Crater Diameter (m)** Format : **N** Length : **3** Example : **9.9 /**

Indicates the average diameter of the craters.

225/E - **Crater Depth (m)** Format : **N** Length : **3** Example : **9.9 //**

Indicates the average depth of the craters.

226/A - **Demolition Guard** Format : **NX** Length : **18** Example : **XXXXXXXXXXXXXXX/AA /**

Describes the ORGID unit and the nationality, using national 2 letter codes, of the demolition guard.

226/B - **Demolition Firing Party** Format : **AX** Length : **18** Example : **XXXXXXXXXXXXXXX/AA /**

Describes the ORGID unit and the nationality, using national 2 letter codes, of the demolition firing party.

226/C - **Firing Party Commander (FPC) Orders.** Format : **AN** Length : **2** Example : **A9 /**

Orders for the Firing Party Commander (FPC). Describe the state of readiness, using a 2 character code from LIST AW, to which the demolition target is to be prepared.

226/D - **State of Readiness to be Prepared by (DTG).** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG by which the state of readiness is to be achieved.

226/E - **All other orders will be issued by the Demolition Guard Commander.** Format : **A** Length : **3** Example : **AAA /**

A Yes/No response to indicate whether all further orders to the demolition firing party commander will be issued by the demolition guard commander, or not.

226/F - **There is no Demolition Guard, FPC is to act as DGC .** Format : **A** Length : **3** Example : **AAA /**

A Yes/No response to indicate, if there is no demolition guard, whether the FPC will act as DGC.

226/G - **Demolition is to be fired : - LIST AY** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST AY, to describe the circumstances in which the demolition is to be fired.

226/H - **Others orders for firing .** Format : **X** Length : **240** Example : **FREE FORM /**

A FREETEXT field to describe any other orders for firing.

226/I - **DGC will fire the demolition on his initiative if the enemy is in the act of capturing it.** Format : **A** Length : **3** Example : **AAA //**

A Yes/No response to indicate whether the demolition guard commander is to be authorised to demolish the bridge if the enemy is about to capture it intact.

227/A - **Unit to Controls Minefield Activation.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the unit responsible for activating a minefield. It covers the laying of all types of mines and refers to mines being laid armed, or being laid and subsequently being armed by remote control.

227/B - **Authorised Commander.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The authorised commander is the formation commander who authorises a minefield to be activated.

227/C - **Approving Authority** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

The approving authority is the commander who approves the selected method of laying a scatterable minefield, normally the formation commander.

227/D - **Handover to another unit** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX //**

Provides the ORGID of the unit to whom the task is handed over to.

227/E - **Unit Laying Mines.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX //**

Provides the ORGID of the unit responsible for laying the scatterable mines.

228/A - **No Mines before.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG, time before which, no mines are to fall to ground.

228/B - **No Mines after.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG, time after which, no mines are to fall to ground.

228/C - **Set Armed Period Duration.** Format : **N** Length : **3** Example : **999 /**

Indicates, in hours, the duration for which the scatterable mines are to be in an armed state.

228/D - **Change Minefield Effectiveness - LIST AG.** Format : **A** Length : **1** Example : **A /**

A 1 letter code, from LIST AG, to indicate a change in the minefield effectiveness.

228/E - **Minefield Effective at.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG, at which, the minefield becomes effective/armed.

228/F - **Minefield Ceases to be Effective at.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG, at which, the mines in the minefield either self neutralise, or self destruct.

228/G - **Mine Type / Description / Quantity - LIST BH** Format : **ANX** Length : **16** Example : **A/XXXXXXXXX/9999 //**

A 1 letter code, from LIST BH, to describes the mines used in a scatterable minefield, followed by the description and quantity laid.

228/H - **Number of Lanes and Gaps** Format : **N** Length : **2** Example : **99 /**

Describes the total number of lanes or gaps required in a minefield.

228/I - **Lane / Gap to be marked ?** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether the lane or gap is to be marked.

228/J - **Lane / Gap is marked ?** Format : **A** Length : **3** Example : **AAA //**

A yes/no indication of whether the lane or gap is marked.

229/A - **Lane or Gap Identification - LIST F** Format : **A** Length : **1** Example : **A /**

A one letter code, from LIST F, to identify the passage as a lane or a gap.

229/B - **Lane / Gap Priority** Format : **N** Length : **2** Example : **99 /**

A number to describe the priority accorded to the lane or gap.

229/C - **Entrance and Exit** Format : **ANX** Length : **25** Example : **99AA99999999/99AA99999999 /**

Provides the UTM grid co-ordinates of the entry and exit points to the lane or gap.

229/D - **Lane / Gap Width (m)** Format : **N** Length : **3** Example : **999 /**

The designated width, in metres, of the lane or gap.

229/E - **Mines for Closure.** Format : **AN** Length : **16** Example : **999/99AA99999999 /**

Describes the number of mines required to close the lane or gap, and the grid reference of the location or dump where they are being held.

229/F - **Method of Closing - LIST D** Format : **AN** Length : **6** Example : **AA/999 /**

A 2 letter code, from LIST D, to describe the method of laying the mines, and the estimated time, in minutes, to close the lane or gap. The time is measured from the moment the mines are removed from the location or dump to being placed or delivered into the lane or gap. The time includes fencing and marking where this is required or is appropriate.

229/G - **Minefield Closure Time.** Format : **AN** Length : **12** Example : **99AA99999999 /**

The DTG at which the minefield lane or gap closure will be complete.

229/H - **Breaching Method - LIST Y** Format : **A** Length : **1** Example : **A /**

A one letter code, from LIST Y, to describe the breaching method used for the lane or gap.

229/J - **Unit to Close Lane or Gap.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX //

Provides the ORGID of the unit responsible for physically closing the lane or gap, including fencing and marking, except, for example, where artillery scatterable mines are used and the tactical situation will not permit engineers to approach the closure.

230/A - **Water Depth and Tidal Information.** Format : N Length : 8 Example : 99.9/9.9 /

Indicates the water depth at the time of the recce and any known tidal variation. Water courses in spate or flood should be referred to in an amplification of this field.

230/B - **Bank height.** Format : N Length : 9 Example : 99.9/99.9 /

Describes the difference between the water level and the bank height on each bank of the water course.

230/C - **Current Speed.** Format : N Length : 3 Example : 9.9 /

Indicates the average speed of the current in m/s.

230/D - **Percentage Bank slope.** Format : N Length : 11 Example : 99/99/99/99 /

Describes both bank slopes, above and under water, as a percentage.

230/E - **Nature of Ground Material - LIST BC** Format : A Length : 14 Example : AA/AA/AA/AA/AA /

A 2 letter code, from LIST BC, to describe the nature of the ground material on the crossing alignment.

230/F - **Bank bearing pressure.** Format : N Length : 7 Example : 999/999 /

Describes, in N/m2, the safe bearing pressure of the right and left bank material.

230/G - **Existing Anchorage's.** Format : **A** Length : **7** Example : **AAA/AAA //**

A yes/no indication of whether existing anchorage's are present on the right and left banks of the water course.

231/A - **Width of close approaches.** Format : **N** Length : **2** Example : **99 /**

Describes, in metres, the minimum approach width in the immediate vicinity of the crossing site.

231/B - **Rate of access.** Format : **N** Length : **3** Example : **999 /**

Describes, in vehicles per hour, the estimated traffic flow down to the crossing site on the home bank.

231/C - **Approach Vegetation - LIST BB** Format : **A** Length : **3** Example : **A/A /**

A 1 letter code, from LIST BB, to describe the general nature of any vegetation in the vicinity of the crossing on both banks.

231/D - **Route Type.** Format : **AN** Length : **15** Example : **A/XXXXX/A/XXXXX /**

A 1 letter code, from LIST O, with an identifier, to describe any route leading up to and/or away from the water course.

231/E - **Type of Access.** Format : **X** Length : **21** Example : **XXXXXXXXXX/XXXXXXXXXX //**

Describes the immediate access on each bank.

232/A - **Work required Right Bank Approaches.** Format : **X** Length : **80** Example : **FREE FORM /**

A FREETEXT field to describe any preparatory work required on the approaches to the right bank of the crossing site.

232/B - **Work required Left Bank Approaches.** Format : **X** Length : **80** Example : **FREE FORM /**

A FREETEXT field to describe any preparatory work required on the approaches to the left bank of the crossing site.

232/C - **Other Work required.** Format : **X** Length : **80** Example : **FREE FORM /**

A FREETEXT field to describe any further miscellaneous work that is required in the vicinity of the crossing site.

232/D - **Pier requirements.** Format : **N** Length : **5** Example : **99/99 //**

If any fixed piers are required during the construction of the crossing, indicates the number required and their height from the bed of the water course to the bridge.

233/A - **How orders other than for firing will be given.** Format : **A** Length : **2** Example : **AA /**

A 2 letter code, from LIST AY, to describe how orders, other than for firing, will be given.

233/B - **By whom, orders, other than for firing, will be given.** Format : **X** Length : **20** Example : **XXXXXXXXXXXXXXXXXXXX /**

The name of the individual, by whom, orders, other than for firing, will be given.

233/C - **Code change, State 1 to State 2.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXX /**

Code to change from State 1 (Safe) to State 2 (Armed).

233/D - **Code change State 2 to State 1.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXX /**

Code to change from State 2 (Armed) to State 1 (Safe).

233/E - **Change code: Demolition Firing.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX /

Change code. Fire the demolition now.

233/F - **Change code: Demolition Guard.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX /

Change code. There is no Demolition Guard. You are to act as DGC.

233/G - **Change code: Other orders.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX /

Change code. All other orders will be issued by the DGC.

233/H - **Change code: Demolition code by radio.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX /

Change code. Demolition is to be fired upon receipt of code by radio.

233/I - **Change code: Authorised Commander.** Format : X Length : 36 Example : XXXXXXXXXXXXXXXXXXXXX/XXXXXXXXXXXXXXX /

Change code. The authorised commander is changed to:

233/J - **Change code: Demolition Firing.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX /

Change code. DGC will fire the demolition on his initiative if the enemy is in the act of capturing it.

233/K - **Change code: Demolition Firing.** Format : X Length : 15 Example : XXXXXXXXXXXXXXX //

Change code. DGC will not fire the demolition except as ordered in this document.

234/A - **Rate of Traffic crossing.** Format : **N** Length : **4** Example : **9999 /**

Describes, in vehicle per hour, the optimum rate of crossing the bridge or ferry. It is dependent on the type of unit crossing and the MLC of the vehicles concerned.

234/B - **Type of Unit to cross.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the unit crossing the bridge or ferry.

234/C - **Highest MLC.** Format : **N** Length : **7** Example : **999/999 //**

Indicate the highest MLC, for tracked and wheeled vehicles using the crossing.

235/A - **Facilities.** Format : **A** Length : **3** Example : **AAA /**

A yes/no indication of whether facilities exist.

235/B - **Condition - LIST AS.** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST AS, to describe the condition of the facilities.

235/C - **Repairable.** Format : **A** Length : **3** Example : **AAA //**

A yes/no indication of whether existing facilities can be improved.

236/A - **Nature of Resource - LIST BA.** Format : **N** Length : **2** Example : **99 /**

A 2 number code, from LIST BA, to identify the general category of the resources found.

236/B - **Description of Resources.** Format : **X** Length : **80** Example : **FREE FORM /**

A FREETEXT field to describe the resource and indicate the approximate quantity found.

236/C - **Resource Location.** Format : **AN** Length : **12** Example : **99AA99999999 //**

Provides the UTM grid co-ordinates of where the resource has been found. One grid reference is sufficient.

237/A - **Authorised Commander Details.** Format : **X** Length : **47** Example : **XXXXXXXXXXXXXXXXXXXX/XXXXXXXXXX/XXXXXXXXXXXXXXX /**

The name, rank and appointment of the authorised commander of a reserved demolition.

237/B - **Signature and DTG Details.** Format : **ANX** Length : **25** Example : **XXXXXXXXXXX/999999AAAA99 //**

Provides signature details and the DTG of the releasing authority. The authorised commander will continue to sign on the STANAG 2017 pro forma.

238/A - **Location of event.** *Format : **AN** Length : **12** Example : 99AA99999999//*

The UTM grid co-ordinates where the event took place.

238/B - **Event.** *Format : **X** Length : **80** Example : FREE FORM //*

A FREETEXT field to describe the event in detail.

238/C - **DTG of event.** *Format : **AN** Length : **12** Example : 999999AAAA99 //*

The DTG at which the incident took place

239/A - **Assessed time to repair/bypass OR duration** Format : A Length : 2 Example : AA //

A 2 letter code from LIST BP to describe either assessed time to repair or to bypass the obstacle or the zone where the incident took place, OR the assessed duration of the incident.

240/A - **Number of Options Required.** Format : N Length : 1 Example : 9 //

Specifies the number of mobility options required.

245/A - **Name of Route to Task Site.** Format : X Length : 15 Example : XXXXXXXXXXXXXX /

The nickname, road number or river being used to approach the location of the task.

245/B - **Start Point.** Format : AN Length : 12 Example : 99AA99999999 /

The UTM grid co-ordinates of a route start point.

245/C - **Intermediate Points.** Format : AN Length : 12 Example : 99AA99999999 /

The UTM grid co-ordinates of intermediate points along a route.

245/D - **Release Point.** Format : AN Length : 12 Example : 99AA99999999 //

The UTM grid co-ordinates of a route release point.

246/A - **Engineer Assembly Area.** Format : ANX Length : 25 Example : XXXXXXXXXXXX/99AA99999999 //

Describes the nickname (if applicable) and the UTM grid co-ordinates of the location where an engineer unit establishes itself in the vicinity of a task site before executing the task.

247/A - **Enemy Engineer Forces.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field which identifies enemy engineer units, equipments, their locations and estimated capabilities.

248/A - **Friendly Engineer Forces.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field which describes the situation of friendly engineer units, their equipment and capabilities.

249/A - **Engineer Mission Statement.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field which states the engineer mission.

250/A - **Engineer Commander's Intent.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field which gives a broad outline of the engineer commander's design for battle.

251/A - **Engineer Concept of Operations.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field which details the engineer concept of operations to achieve the commander's intent and satisfy the engineer mission.

252/A - **Additional Co-ordinating Instructions.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to describe any additional miscellaneous co-ordinating instructions.

261/A - **Manpower Data.** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXXXX/99/99/999 //**

Provides details of manpower type, quantity allocated, quantity required and duration in hours.

261/B - **Unit Combat Effectiveness - Personnel / Equipment - LIST BJ and BK.** Format : **N** Length : **3** Example : **9/9 /**

A 1 number code, each from LIST BJ and BK, to describe the measure of combat effectiveness for Personnel and Equipment.

261/C - **Sub-Units Type and Quantity.** Format : **NX** Length : **18** Example : **XXXXXXXXXXXXXX/99 //**

Describes the effective Sub-Units available by Type / Quantity.

261/D - **Combat Effectiveness over 24 hrs.** Format : **N** Length : **3** Example : **9/9 /**

A 1 number code, each from LIST BJ and BK, to describe the assessed 24 hour combat effectiveness for Personnel and materiel.

261/E - **Combat Effectiveness over 48 hrs .** Format : **N** Length : **3** Example : **9/9 /**

A 1 number code, each from LIST BJ and BK, to describe the assessed 48 hour combat effectiveness for Personnel and materiel.

261/F - **Combat Effectiveness over 72 hrs.** Format : **N** Length : **3** Example : **9/9 /**

A 1 number code, each from LIST BJ and BK, to describe the assessed 72 hour combat effectiveness for Personnel and materiel.

262/A - **Unit Providing the Manpower.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXX /**

Provides the ORGID of the engineer or logistic unit providing the additional manpower.

262/B - **Manpower RV and Time.** Format : **AN** Length : **25** Example : **99AA99999999/999999AAAA99 //**

The UTM grid co-ordinates and time (DTG) at which manpower is to RV.

263/A - **Antitank Mine Details.** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXX/99999/99999 //**

Provides details of antitank mine type, quantity allocated, required or expended.

263/B - **Anti-Tank Mines available - LIST AO.** Format : **ANX** Length : **20** Example : **XXXXXXXXXX/9999999/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available antitank mines.

263/C - **Antitank Mines Recovered.** Format : **NX** Length : **18** Example : **XXXXXXXXXX/9999999 //**

Describes the type and quantity of antitank mines recovered during breaching operations.

264/A - **Antipersonnel Mine Details.** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXX/99999/99999 /**

Provides details of antipersonnel mine type, quantity allocated, required or expended.

264/B - **Antipersonnel Mine available - LIST AO.** Format : **ANX** Length : **20** Example : **XXXXXXXXXX/9999999/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available antipersonnel mines.

264/C - **Antipersonnel Mines Recovered.** Format : **NX** Length : **18** Example : **XXXXXXXXXX/9999999 //**

Describes the type and quantity of antipersonnel mines recovered during breaching operations.

265/A - **Explosives Details.** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXX/99999/99999 //**

Provides details of explosives type, quantity allocated, required or expended.

265/B - **Explosives available - LIST AO.** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available explosives.

266/A - **Mine and Explosive Dump.** Format : **AN** Length : **12** Example : **99AA99999999 /**

Provides the UTM grid co-ordinates of the mines and/or explosives dump(s).

266/B - **Mine and Explosive Available at Time.** Format : **AN** Length : **12** Example : **999999AAAA99 /**

The DTG at which mines and explosives will be available at the mines and explosives dump.

266/C - **Mines and Explosives Disposal Site.** Format : **AN** Length : **12** Example : **99AA99999999 //**

The UTM grid co-ordinates of the location where mines and explosives are to be stored prior to disposal.

267/B - **Mine Laying Assets - LIST AO** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A /**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available mine laying assets.

267/C - **Mine Breaching Assets - LIST AO** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available mine breaching assets.

269/A - **Equipment Data.** Format : **NX** Length : **30** Example : **XXXXXXXXXXXXXXXX/9999/9999/999 //**

Provides details of general engineer equipment type, quantity allocated or required and duration in hours to support the task.

269/B - **Combat Engineer Vehicles - LIST AO** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A /**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available combat engineer vehicles.

269/C - **General Engineer Equipment - LIST AO** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A /**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available miscellaneous general engineer equipment assets.

269/D - **Survivability Materiel - LIST AO** Format : **ANX** Length : **16** Example : **XXXXXXXXXX/999/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of available survivability assets.

269/E - **Major Assets - LIST AO** Format : **ANX** Length : **24** Example : **XXXXXXXXXXXXXXXXXXX/99/A //**

Describes the type, quantity and, using a 1 letter code from LIST AO, the status of all declared major assets at unit or sub-unit level. The local commander will state which assets are to be reported.

270/A - **Materiel Data** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXXXX/9999/9999 /**

Provides details of materiel type, quantity allocated, required or expended in support of the task.

270/B - **National Stores List Items** Format : **NX** Length : **21** Example : **XXXXXXXXXXXXXXX/9999 /**

Describes the National Stores List items (Standard Task Load System), NATO Stock Number(NSN), or item description and the quantity required for the task.

270/C - **Tonnes of Grounded Materiel or to be Lifted.** Format : **N** Length : **4** Example : **9999 /**

Describes, in metric tonnes, the total tonnes of grounded materiel or to be lifted.

270/D - **Volume of Grounded Materiel or to be Lifted.** Format : **N** Length : **4** Example : **9999 /**

Describes, in cubic metres, the total volume of grounded materiel or to be lifted.

270/E - **Weight of Largest Item to be Lifted.** Format : **N** Length : **3** Example : **999 //**

Declares the weight of the largest item which would indicate crane and transport restrictions.

271/A - **Unit providing the Equipment and/or Materiel.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the engineer or logistic unit supplying the general engineer equipment and/or materiel.

271/B - **Equipment and Materiel RV and Time.** Format : **AN** Length : **25** Example : **99AA99999999/999999AAAA99 //**

The UTM grid co-ordinates and time (DTG) at which general engineer equipment and/or materiel is to be delivered.

272/A - **Bridging Equipment.** Format : **NX** Length : **25** Example : **XXXXXXXXXXXXXXX/9999/9999 //**

Provides details of bridging equipment type, quantity allocated or required and duration in hours to support the task.

272/B - **Wet Bridging Resources.** Format : **ANX** Length : **25** Example : **XXXXXXXXXXXXXX/999/9999/A /**

Describes the type, MLC, length (in metres) and, using a 1 letter code from LIST AO, the status of available wet bridging assets.

272/C - **Dry Support Bridging Resources.** Format : **ANX** Length : **25** Example : **XXXXXXXXXXXXXX/999/9999/A /**

Describes the type, MLC, length (in metres) and, using a 1 letter code from LIST AO, the status of available dry support bridging assets.
Quote the length of bridging at its maximum load class.

272/D - **Assault Bridging Resources.** Format : **ANX** Length : **20** Example : **XXXXXXXXXXX/999/99/A //**

Describes the type, MLC, length (in metres) and, using a 1 letter code from LIST AO, the status of available assault bridging assets.

273/A - **Unit providing the Bridging Equipment.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the engineer or logistic unit supplying the bridging equipment.

273/B - **Bridging Equipment RV .** Format : **AN** Length : **25** Example : **99AA99999999/999999AAAA99 //**

The UTM grid co-ordinates and time (DTG) at which bridging equipment is to be delivered.

274/A - **Additional Service Support Information.** Format : **X** Length : **240** Example : **FREE FORM //**

A FREETEXT field to describe miscellaneous national service support information.

288/A - **Name of unit with which Coordination is Foreseen or Necessary.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the unit in whose tactical area of responsibility the engineer task is to be carried out and with whom liaison will be required.

288/B - **Radio frequency / Call sign of Unit Concerned.** Format : **X** Length : **12** Example : **XXXXXXXXXXX /**

Describes the radio frequency, call sign or both.

288/C - **Own Call Sign.** Format : **X** Length : **8** Example : **XXXXXXXX /**

Own call sign on the All Arms net.

288/D - **RV Details.** Format : **AN** Length : **25** Example : **99AA99999999/999999AAAA99 //**

The UTM grid co-ordinates and time (DTG) at which at which representatives will rendezvous.

289/A - **Name of Unit providing Protection.** Format : **X** Length : **15** Example : **XXXXXXXXXXXXXXX /**

Provides the ORGID of the unit providing protection.

289/B - **Radio frequency / Call Sign of Unit concerned.** Format : **X** Length : **12** Example : **XXXXXXXXXXXX /**

Describes the radio frequency, call sign or both.

289/C - **Own Call Sign.** Format : **X** Length : **8** Example : **XXXXXXXX /**

Own call sign on the All Arms net.

289/D - **RV Details.** Format : **AN** Length : **25** Example : **99AA99999999/999999AAAA99 //**

The UTM grid co-ordinates and time (DTG) at which at which representatives will rendezvous.

290/A - **Reporting HQ or Formation ID.** *Format :* ***X*** *Length :* ***15*** *Example :* ***XXXXXXXXXXXXXXX /***

The ORGID of the unit making the report.

1/A - **Executive summary** *Format :* ***X*** *Length :* *240* *Example :* ***FREE FORM //***

A FREETEXT field for the executive summary or highlights of the most critical Engr issues. This field is also used to report the Engineer Commander's overall assessment of the situation

291/B - General Overall Status of HQ. *Format :* ***N*** *Length :* ***3*** *Example :* ***9/9 /***

A 1 number code, from LIST BJ, followed by a 1 number code from LIST BK, to describe the general overall status of the capability of those engineer units under the HQ's command in terms of combat effectiveness for personnel and materiel

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292/A - Manoeuvre Formation Identification. *Format :* ***X*** *Length :* ***15*** *Example :* ***XXXXXXXXXXXXXXX //***

The ORGID of manoeuvre unit.

292/B - General Overall Status of Manoeuvre Formation. *Format :* ***N*** *Length :* ***3*** *Example :* ***9/9 /***

A 1 number code, from LIST BJ, followed by a 1 number code from LIST BK, to describe the general overall status of those engineer units under a Manoeuvre Formation's command in terms of combat effectiveness for personnel and materiel

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293/A - Assessment of current Combat Support Engineering Ops/Mobility *Format :* ***X*** *Length :* *240* *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning on-going combat support engineering activities directed at providing freedom of movement for our forces.

293/B - Assessment of current Combat Support Engineering Ops /Counter-mobility *Format :* ***X*** *Length :* *240* *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning on-going combat support engineering activities to limit the enemy's freedom of movement.

293/C - Assessment of current Combat Support Engineering Ops/Survivability Format : ***X*** *Length :* *240* *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning on-going combat support engineering activities related to force protection measures.

293/D - **Assessment of current Combat Support Engineering Ops/General engineer support** *Format :* X *Length :* 240 *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning on-going combat support engineering activities related to general engineer support.

293/E - **Assessment of currentForce Support Engineering Operations** *Format :* X *Length :* 240 *Example :* ***AA/FREE FORM //***

A 2 letter code, from LIST AP, to describe the type of project followed by a FREETEXT field to provide overall comments concerning on-going projects belonging to this category - especially in the case of problems.

294/A - **Assessment of Combat Support Engineering Ops planned /Mobility** *Format :* X *Length :* 240 *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning planned combat support engineering activities directed at providing freedom of movement for our forces.

294/B - **Assessment of planned Combat Support Engineering Ops /Counter-mobility** *Format :* X *Length :* 240 *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning planned combat support engineering activities to limit the enemy's freedom of movement.

294/C - **Assessment of planned Combat Support Engineering Ops /Survivability** *Format :* X *Length :* 240 *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning planned combat support engineering activities related to force protection measures.

294/D - **Assessment of planned Combat Support Engineering Ops /General engineer support** *Format :* X *Length :* 240 *Example :* ***FREE FORM //***

A FREETEXT field to provide overall comments concerning planned combat support engineering activities related to general engineer support.

294/E - **Assessment of Force Support Engineering Operations** *Format :* ***X*** *Length :* *240* *Example :* ***AA/FREE FORM //***

A 2 letter code, from LIST AP, to describe the type of project, followed by a FREETEXT field to provide overall comments concerning planned projects belonging to this category, especially in the case of problems.

295/A - **Critical Engineer Equipment** Format :**X** Length : 240 Example : **FREE FORM //**

A FREETEXT field to describe the critical engineer assets that must be reported to the next higher HQ.

296/A - **Other Command and Signals Information** **Format :** **X** **Length :** **240** **Example :** **FREE FORM //**

A FREETEXT field for recording miscellaneous command and signal information not catered for in the other fields.

297/A - **Remarks** **Format :** **X** **Length :** **240** **Example :** **FREE FORM //**

This optional field used to input free text

298/A - **Logistics status** ***Format :*** ***X*** ***Length :*** ***240*** ***Example :*** ***FREE FORM //***

A FREETEXT field to provide a brief assessment and identify any known critical shortfall in both supplies and/or unit capabilities/equipment such as plant or bridging assets within 72 Hr.

298/B - **Co-ordination/Assistance required** *Format :****X*** *Length : 240* *Example :* ***FREE FORM //***

A FREETEXT field to request any co-ordination of assistance.

298/C - **Point of contact/OPR** *Format :****X*** *Length : 240* *Example :* ***FREE FORM //***

A FREETEXT field to provide complete information of the point of contact or the Office of Primary Responsibility (OPR) (NAME, Rank, Telephone, fax, email, etc).

299/A - Acknowledge Format :A Length : 3 Example: AAA //

A Yes/No indication of whether there is a requirement to acknowledge the message.

300/A - Environmental Impact Assessment *Format : X Length : 240 Example : FREE FORM //*

A FREETEXT field to provide information regarding the actual or likely environmental impact of a reported obstacle.