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# **NATO STANDARD**

## **ATP-100**

# **AIR IMAGERY INTERPRETATION ANNOTATION AND TITLING**

**Edition A Version 1**

**SEPTEMBER 2017**



**NORTH ATLANTIC TREATY ORGANIZATION**

**ALLIED TACTICAL PUBLICATION**

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**NATO STANDARDIZATION OFFICE (NSO)**

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4 September 2017

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<b>CHAPTER 1    INTRODUCTION</b>
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**SECTION I - AIR IMAGERY INTERPRETATION ANNOTATION AND TITLING****1.1.    AIM**

1.     The aim of this agreement is to adopt a standard air imagery interpretation annotation and titling for use by the NATO Forces.

**1.2.    AGREEMENT**

2.     0102. Participating nations agree to use the procedures for air imagery interpretation annotation and titling as outlined in Section II and Section III. Annex A and B gives examples of the air imagery interpretation annotation. This STANAG is implemented by a nation when it has issued the necessary orders/instructions to the forces concerned putting the procedures detailed in Chapter 2 of this agreement into effect.

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## CHAPTER 2 – AIR IMAGERY ANNOTATION AND TITLING PROCEDURES

### SECTION I – AIR IMAGERY INTERPRETATION ANNOTATION PROCEDURES

1. Annotations are to be made if the desire/order to do so is contained in the appropriate AIR RECONNAISSANCE/TASK FORM or if the Interpreter / Analyst decides that this is necessary to amplify the written report.

#### ANNOTATION

2. The following annotations are required and positioned in:

a. A **titling** as per Annex A and B to include a Geographic Coordinate for the tasked target.

b. A **reference point symbol (RP)** as per STANAG 3596 to illustrate the Geographical Reference quoted in the titling. If even possible the RP should be the given target Geographic Coordinate.

If necessary a good interpretable reference point in the frame shall be exchanged the RP symbol by a written Coordinate to define the Geographic Reference.

c. An **orientation aid** in form of an compass rose or arrowhead

d. **Interpretation annotations** to illustrate the interpretation results

(1) If the target areas are not clearly defined they are to be marked as follows:

(a) Permanent objects are to be outlined by a solid line.

(b) Temporary objects are to be marked by a dashed line.

(2) Annotations are to be laid out in such a way that they do not obscure target details.

(3) Each annotation is to be labeled with the displayed content.

(4) If necessary alphanumeric, different colors or symbols shall be used for a minimum obscuration

(5) All used alphanumeric, colors and symbols are to be explained in a legend

- (6) The legend can be added with an analyst comment

## EXAMPLES

3. Examples of annotated imagery are shown in Annex A and B.

## SECTION II – AIR IMAGERY TITLING PROCEDURES

4. Titling shall be shown on all air imagery and shall be permanently marked in legible characters, in a manner not to obscure detail. Items included in titling are listed in paragraph 2 below.

## ANNOTATION

5. If applicable, the following items of information shall be included in the titling of air imagery:

**a. Classification**

The security classification assigned to the imagery in accordance with the existing regulations or directives.

**b. Taking Unit / Service**

The official unit designator to identify the taking / interpretation unit including the standard service designator in accordance with STANAG 1059:

e.g. TAW 51 DEU(AF)

– indicates 51 Tactical Air Wing of the German Air Force

**c. Image category**

In accordance with STANAG 4545 the specific category of an image reveals its intended use or the nature of its collector.

Valid categories for example:

- VIS for visible imagery
- SL for side-looking radar
- EO for electro-optical
- IR for infrared

**d. Operation / Exercise Name**

The name or number of the exercise or operation shall be shown

**e. Mission and or Sortie Identifier**

Any applicable code to identify the assigned mission and/or sortie shall be shown



**f. Target Number / Name**

Any applicable code and/or name to identify the target shall be shown, including the target category and purpose code

**g. Location**

The given target Geographic Coordinate according the tasking shall be shown as RP as defined in Annex A.

Other references such as the Geographic Coordinate system, the Universal Transverse Mercator (UTM) system, or target numbers, shall be used in accordance to STANAG MILGEO 2211. Geographic coordinates, including UTM coordinates, must be followed by the Geodetic Reference System, such as the World Geodetic System 1984 (WGS84)


**h. Time over Target (TOT)**

The TOT shall be shown in standard date-time group format

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## Annex A – Example 01 with Annotations on upper and lower part of the report form

NATO UNCLASSIFIED	TAW 51 DEU (AF)	02 AB 123	EX BLACK SHADOW	EO	050936ZJAN15
TGT 01	CAT 04 A	41ABC1234567890(WGS84)			



**ANALYST COMMENT:** NO ACTIVITY AT HELIPAD VISIBLE

**LEGEND:** A: STAFF BLDG  
DITCH / CREEK  
FENCE

A-1

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Annex B – Example 02 with Annotations on the right side of the report form



B-1

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**REFERENCE PUBLICATIONS**

NATO STANAG 1059	LETTER CODES FOR GEOGRAPHICAL ENTITIES EDITION 8, 19 FEBRUARY 2004
NATO STANAG 2211	GEODETTIC DATUMS, PROJECTIONS, GRID AND GRID REFERENCES
NATO STANAG 3377	AR - AIR RECONNAISSANCE INTELLIGENCE REPORT FORMS
NATO STANAG 3596	AR - AIR RECONNAISSANCE REQUESTING AND TARGET REPORTING GUIDE

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