

Supporting
European
Aviation



SNOWTAM Format Change in EAD

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SNOWTAM Format change in EAD

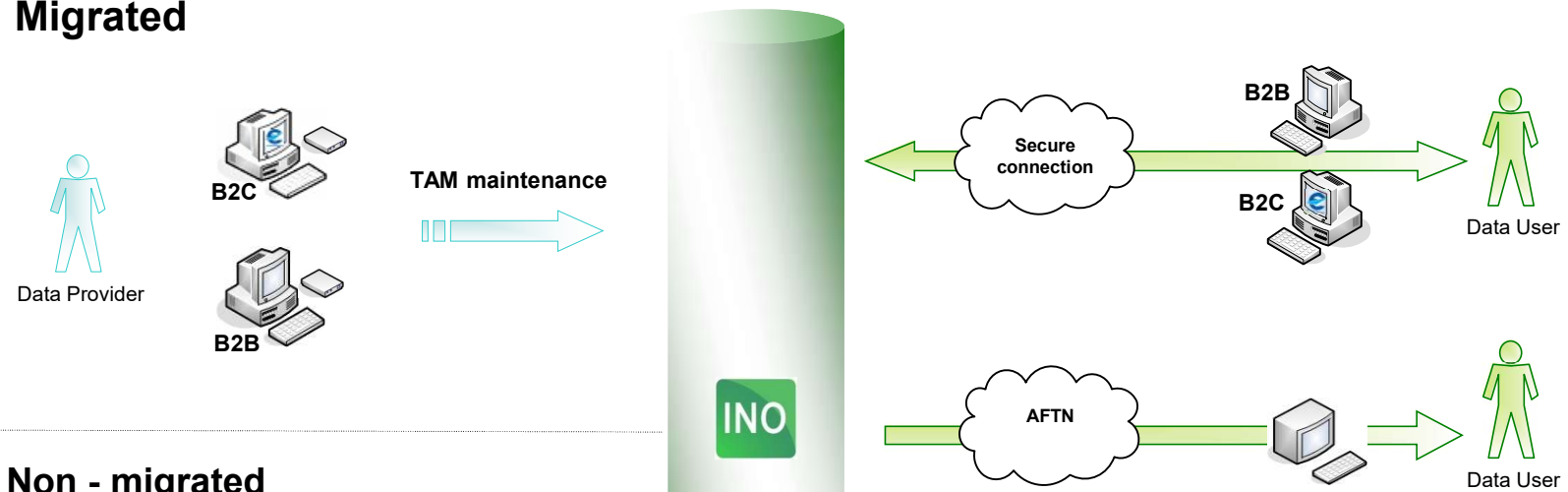
- EAD, as EASA certified service provider against CIR (EU) 2017/373, **will implement the New SNOWTAM** format on

12 August 2021!

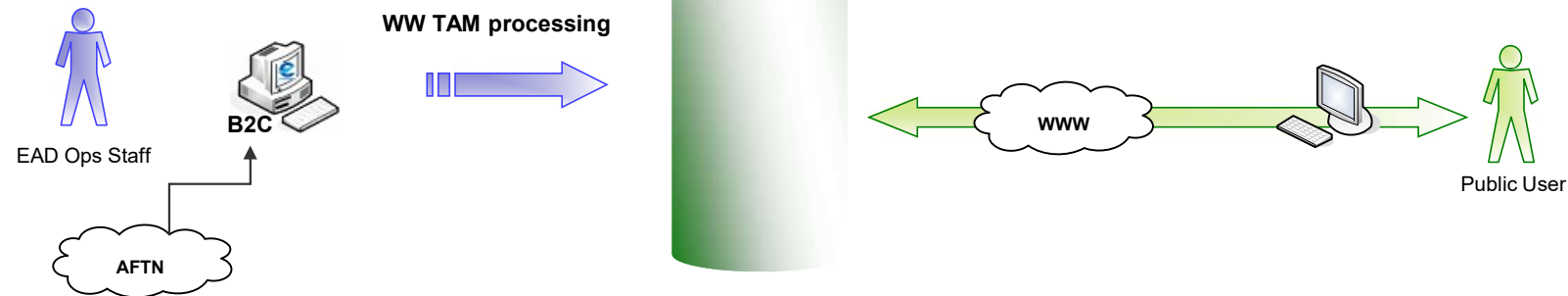
- This information had been communicated to all EAD clients in Dec 2020

EAD International NOTAM Operations - INO

Migrated



Non - migrated



ICAO Guidance on the Issuance of SNOWTAM

- All detailed information about EAD policy/approach related to NEW SNOWTAM format is included into Attachment A

INTERNATIONAL CIVIL AVIATION ORGANIZATION

European and North Atlantic Office



GUIDANCE ON THE ISSUANCE OF SNOWTAM

(Applicable from 5 November 2020)

- First Edition -
(V.1.0)

February 2020

Guidance on the Issuance of SNOWTAM

Attachment A: Frequently asked questions/issues related to the SNOWTAM format and EAD policy/approach (Items highlighted in orange are AIS-related issues which need immediate attention)

Question/Issue	Comment/Initial analysis	Remarks (Impact, if the issue is not resolved)	EAD implementations: policy/approach
1 Old SNOWTAM format (availability after 5 NOV 2020) - Will all States issue the SNOWTAM under the new format?	Linked to item 2 below	Possible rejection by regional and national AIS databases and users if some States continue to issue the SNOWTAM in the old format after 5 November 2020	For EAD-migrated clients (B2B and B2C), ONLY the new format will be available. For non-migrated clients (NW SNOWTAM received via AFTN), EAD will also accept the OLD format, which will be automatically converted to the new format in the following way: - SNOWTAM header, including number - Item A) – Aerodrome Location Indicator - Item B) – Date/Time of assessment (without repetition) - Item C) – RWY designation number (without repetition) - Copy of the original SNOWTAM text, from Item B) to Item T) – Plain language remark - No validation Example of old format processing: Original SNOWTAM in OLD Format SWED0012 EDDK 11042330 (SNOWTAM 0012 A) EDDE B) 11042330 C) 14L F) 2/2/2 G) 30/30/40 H) 5/5/5 B) 11042325 C) 14R F) 5/5/5 G) 30/30/40 H) 3/3/3 B) 11042320 C) 07 F) 5/5/5 G) 40/30/30 H) 2/3/2 R) 2 5) 12300800 T) RWY CONTAMINATION 100 PERCENT. SNOW REMOVAL IN PROGRESS) SNOWTAM autostored in EAD SWED0012 EDDK 11050145

Alignment with EU Regulations

- Relaxed a strict validation between Item **D** and Item **G**, allowing storing and distribution SNOWTAM with RWYCC upgrade/downgrade criteria.
- Item **G** extended with
 - **SPECIALLY PREPARED WINTER RUNWAY**
 - **SLIPPERY WET**
- Item **M**, Item **N** and Item **O** supports both format **SNOW BANK** and **SNOWBANK**
- Item **P** supports both format TWY [n or nn] POOR, or TWYS [n or nn]/[n or nn]/... POOR
 - Example: **TWY A1 POOR. TWY A2 POOR.** or **TWYS A1/A2 POOR.**
- Item **R** supports both format APRON [nnnn] POOR, or APRONS [nnnn]/[nnnn]/... POOR
 - Example: **APRON 1 POOR. APRON 2 POOR.** or **APRONS 1/2 POOR.**
- Item **S** supports value **NR**

Handling of SNOWTAM in EAD after 12 Aug 2021 – Migrated Clients

- Use B2C (ECIT) for SNOWTAM creation
 - **ONLY** New format
 - New HMI for clients, integrated into INO DP application's tree
- Use B2B (ESI/AIMSL) for SNOWTAM creation
 - **ONLY** New format
 - Current ESI / AIMSL XML Schemas – OK for new SNOWTAM format
 - New SNOWTAM message validation – INO DP back-end new checks

SNOWTAM request

```
<Snowtam>
  <Aerodrome>EBBR</Aerodrome>
  <Observation>07311334</Observation>
  <SnowtamText>
B) 07311334
C) 02 D) 1002 E) 5L F) NIL/NIL/NIL G) 45/45/45 H) 4/4/4 J) 26/3L
K) YESL L) TOTAL N) NO S) 07170956 T) SNOW REMOVAL AND DEICING
)
  </SnowtamText>
</Snowtam>
```

Handling of SNOWTAM in EAD after 12 Aug 2021 – Migrated Clients

- Use B2C (ECIT) for SNOWTAM creation
 - All migrated NOFs, by default:

Albania /LA	Albcontrol		Kazakhstan /UA	Kazaeronavigatsia
Armenia /UD	Armats		Kyrgyzstan /UC	Kyrgyzaeronavigatsia
Azerbaijan /UB	AZANS		Malta /LM	ATS
Belarus /UM	Belaeronavigatsia		Moldova /LU	MOLDATSA
Croatia /LD	CroControl		Netherlands /EH	Royal Air Force
Cyprus /LC	DCA		New Caledonia /NW	SEAC
Denmark /EK	Naviair		North Macedonia /LW	M-NAV
Denmark /BG	Naviair- Greenland		Portugal /LP	NAV-EP
Finland /EF	ANS Finland		Romania /LR	Romatsa
Greece /LG	Hellenic CAA		Serbia /LY	SMATSA
Ireland /EI	IAA		Slovenia /LJ	Slovenia Control Ltd.
Jordan /OJ	CARC		Ukraine /UK	UkSATSE

- SNOWTAM DP with EADPro licenses, via HTTPS:

France SIA	31
Serbia SMATSA	3
Slovenia Control_Ltd.	1
Turkey DHMI	10

Handling of SNOWTAM in EAD after 12 Aug 2021 – Migrated Clients

- Use B2B (ESI/AIMSL) for SNOWTAM creation
 - All ESI migrated NOFs, by default:

Estonia /EE	EANS
Germany /ET	ZLO aka AFSBw
Norway /EN	AVINOR
Philippines /RP	CAAP
Slovak Republic /LZ	LPS
Spain /LE	ENAIRE

- SNOWTAM DP, AIMSL migrated:

Sweden /ES	Swedavia Airports
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- SNOWTAM received via AFTN from SNOWTAM DP of migrated States:
 - **ONLY** New Format
 - Validation of the SNOWTAM message on the INO DP, using the new validation rules during the automatic processing (auto storage)

Handling of SNOWTAM in EAD after 12 Aug 2021 – **Non-Migrated Clients**

- WW SNOWTAM received via AFTN
 - Processing by DOP:
 - **New Format**
 - Validation of the SNOWTAM message on the INO DP, using the new validation rules
 - **Old Format**
 - INO DP automatically recognises and ‘marks’ SNOWTAM in ‘old’ format
 - No validation, in case DOP manual processing
 - Old format converted into the new SNOWTAM format and stored (automated)
 - Autocompleting
 - SNOWTAM header, including number
 - Item A) – Aerodrome Location Indicator
 - Item B) – Date/Time of assessment (without repetition)
 - Item C) – RWY designation number (without repetition)
 - Copying the original SNOWTAM text, starting from Item B) into Item T) – Plain language remark.

Handling of SNOWTAM in EAD after 12 Aug 2021 – Non-Migrated Clients

- WW SNOWTAM received via AFTN

Example of old format processing:

- Original SNOWTAM:

```
SWED0012 EDDK 11042330  
(SNOWTAM 0012  
A) EDDK  
B) 11042330 C) 14L F) 2/2/2 G) 30/30/40 H) 5/5/5  
B) 11042325 C) 14R F) 5/5/5 G) 30/30/40 H) 3/3/3  
B) 11042320 C) 07 F) 5/5/5 G) 40/30/30 H) 2/3/2  
R) 2 S) 12300800  
T) RWY CONTAMINATION 100 PERCENT. SNOW REMOVAL IN PROGRESS)
```

- SNOWTAM autostored in EAD (validity **8** hours):

```
SWED0012 EDDK 11050145  
(SNOWTAM 0012  
EDDK  
11050145 14L  
THIS SNOWTAM WAS PUBLISHED BY ORIGINATOR IN OLD FORMAT.  
SNOWTAM STORED IN EAD DATABASE WITHOUT ANY VALIDATION CHECKS.  
TEXT PROVIDED FOR SAFETY REASON ONLY.  
QUOTE  
B) 11042330 C) 14L F) 2/2/2 G) 30/30/40 H) 5/5/5  
B) 11042325 C) 14R F) 5/5/5 G) 30/30/40 H) 3/3/3  
B) 11042320 C) 07 F) 5/5/5 G) 40/30/30 H) 2/3/2  
R) 2 S) 12300800  
T) RWY CONTAMINATION 100 PERCENT. SNOW REMOVAL IN PROGRESS)  
UNQUOTE
```

Transition and activation of new SNOWTAM format

- The *NEW* format support will be activated by system's configuration parameter *SNOWTAM_2020_START_DATE*, with the current default value **2021.08.12 00:00 UTC**
- During the activation the following steps will be performed:
 - **Stop** EAD related services, including Forms, ESI, AIMSL
 - Activate system's parameters for *NEW* format
 - Remove *OLD* SNOWTAM templates
 - Remove *OLD* SNOWTAM rules
 - Invalidate *OLD* SNOWTAM with observation time older than 8 hours
 - Convert stored *OLD* SNOWTAM with observation time not older than 8 hours to *CONVERTED* format
 - **Start** EAD related services, allowing **creation** of SNOWTAM in *NEW* format and **processing** in *NEW/CONVERTED* format

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EAD – European AIS Database

Thank you!



NETWORK
MANAGER



Acronyms and Abbreviations

AFTN	A eronautical F ixed T elecommunications N etwork
AIMSL	AIM S ervice L ayer
DOP	EAD D ata O perational P rovider
DP	D ata P rovider
EASA	E uropean Union A viation S afety A gency
ESI	EAD S ystem I nterface
ECIT	EAD C lient I nterface T erminal
HMI	H uman M achine I nterface
INO	International N OTAM O peration
INO DP	INO D ata P rovider
NOF	N OTAM O ffice
RWY	R unway
TAM	All kind of N OTAM, S NOW TAM , A SHT TAM , B IRD TAM
XML	E xtensible M arkup L anguage
WW	W orld W ide

Definitions

For the purpose of this presentation:

- EAD B2B** means the software that allows the Client to develop its own client interface to access the EAD
- EAD B2C** means the software made available to the Client to directly access the EAD
- Migrated client** means a Client (Data Provider) that has been declared operational by EUROCONTROL for INO area for which it is responsible.
- Non-Migrated client** means a Client (Data Provider) that has not declared operational by EUROCONTROL for INO area for which it is responsible