

The presentation to Externals of the NM23.5 Release via video-conference took place on the 11th of September 2019.

Please find below:

- The recording: <https://youtu.be/cRf-nUQyqfQ>
- The link toward the NM23.5 Release Notes:
<https://www.eurocontrol.int/publication/network-manager-release-notes-planned-implementation-2019-2020>
- The slides used during the Presentation (below in this pdf)
- This document is available on the public website (as a pdf) at:
<https://www.eurocontrol.int/library?f%5B0%5D=activity%3A774>

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Presentation of NM23.5 to Externals

EUROCONTROL – Network Manager Directorate

11/09/2019

v1.4

Classification TLP : White (Public)



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Welcome to the Presentation of NM23.5 to Externals

Agenda

- 1- Introduction and interface set-up**
- 2- NM23.5 Release presentation:**
 - 2.1- Important notifications related to NM23.5
OPT (operational testing) session**
 - 2.2- FBs (Functional Blocks) presentation**
- 3- Way forward toward NM23.5 migration**

1- Introduction: Recording

Presentation is recorded; recording (audio and slides) will be available on the Eurocontrol public website in a few days:

<https://www.eurocontrol.int/library?f%5B0%5D=activity%3A774>

(This URL available in §1 of the NM Release Notes:

<https://www.eurocontrol.int/publication/network-manager-release-notes-planned-implementation-2019-2020>)

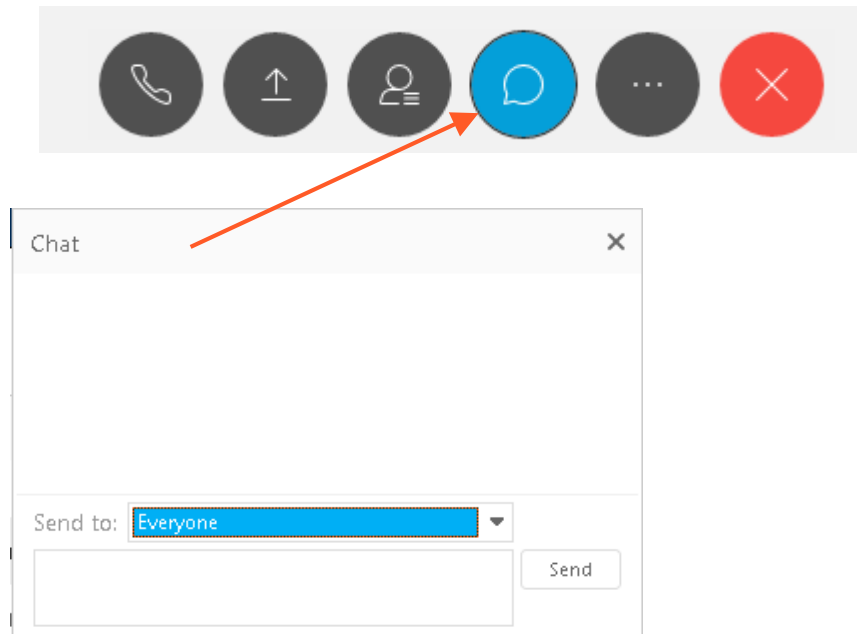
1- Introduction

- Goals of the presentation:
 - Present the new features of the Release NM23.5.
 - Operational Project Managers will present their Functional Block.
 - Enable you to assess the impacts on your procedures or systems.
 - Ask questions (today after each FB presentation, or by eMail at nm.releases@eurocontrol.int).
- Why doing the presentation now?
 - ⇒ SHOM2 Gate (Software Hand-Over Meeting) is passed.
 - ⇒ System testing and Operational Acceptance testing are still on-going, so Release content may slightly change until the Release migration.

1- Introduction: Webex interface set-up

To be done now:

1- Move your mouse on the screen to display the set of icons in the bottom of your screen:



2- Click on the « Chat » icon

1- Introduction: How to ask questions - by chat

- Questions may be asked **by chat only** at the end of each Functional Block presentation.
- How to ask a question by chat:

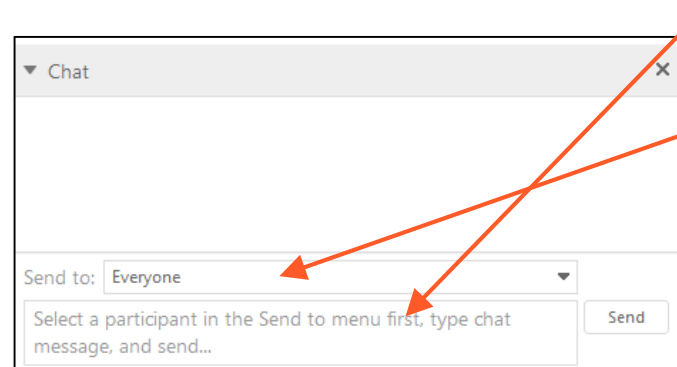
1- Type your question in the Chat window

2- Select « Everyone » and click on « Send »

3- The presenter will read the question and reply to it orally

4- If at the end of the answer you still need clarifications, please type them in the Chat window.

You can type your question during the presentation; if required, add the slide number (bottom right of the slide).



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2- NM23.5 Presentation



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2.1- The NM Release Notes

- The NM Release Notes contains the latest information on Releases:
 - OPT (Operational Testing) Session information, OPT guide, etc.
 - Webex presentation information (including slides and recording)
 - Release migration plan per system and services
 - Releases important notifications
 - Release content in a structured format

- Release Notes are available at:

<https://www.eurocontrol.int/library?f%5B0%5D=activity%3A774>

To receive information on the Release (including NM Release Notes updates, OPT information, presentations, etc.): subscribe to the mailing list (cf. §1 of the NM Release Notes)

FBxxx: Number and name of the Functional Block	
Users impacted	<p>The categories of NM Users which are impacted by the new features of the Functional Block:</p> <ul style="list-style-type: none">U1. Flow Manager (FMP)U2. Airspace Manager (AMC)U3. Airspace User (Civil)U4. Airspace User (Military)U5. ENV data providerU6. Management (eg crisis management, performance management)U7. Post-ops analystU8. AO or CFSPU9. CAA, EASAU10. Non-CDM AirportU13. CDM-AirportU11. AROU12. Internal NMU14. Air Navigation Service Provider (ANSP)U0. Other (specify):
Application impacted	<p>The NM application(s) or service(s) that will be impacted by the Functional Block:</p> <ul style="list-style-type: none">A1. CHMIA2. CIFO, CIAOA3. CIAMA6. FPL (IFPS)A8. CCAMSA9. CSSTA10. NOP PortalA11. NOP B2B[...]

2.1- NM23.5: The OPT (Operational Testing) (Release Notes §4.3.3)



NM23.5 is available for testing with the OPT (operational testing) session!

- NM23.5 OPT session is available until the **4th of October**.
- With the NM23.5 OPT you are able to:
 - Test NM23.5 on your systems with your procedures.
 - Download and test the new NM23.5 CHMI.
 - Test the new NM23.5 NOP Portal.
 - Test some new FBs (operational scenario provided in the OPT instructions).
- NM OPT instructions (cf. Release Notes §4.3.3):
<https://www.eurocontrol.int/publication/operational-testing-instructions>
- B2B: NM23.5 will be available on PREOPS as from the **24 September 2019 14:00 UTC**
(date modified, to be updated in the next version of the NM Release Notes)
- All you need is to already have access to NM systems. No registration required (unless you want to exchange FPL messages with OPT platform).
⇒ **Questions:** nm.opt@eurocontrol.int

2.1- NM23.5: Important notifications (Release Notes §4.1)



- **Browsers** recommended in NM23.5:
 - The n-CONNECT HMI does not work with Internet Explorer; for this HMI, NM recommends Chrome or FireFox.
 - For other NM services, NM recommends:
 - FireFox,
 - Chrome,
 - Edge.
 - For these recommended browser brands, NM undertakes to investigate and attempt to resolve problems that can be reproduced on the **latest stable version** of that brand. (Anything else is on a “best efforts” basis.)
 - **Internet Explorer 11 is still supported but no longer recommended as it is the intention to stop supporting it by NM24.0 (April 2020).**
- The recommended **operating system** is Windows 10.
Issues reported on CHMI using Windows 7 will be fixed on a best effort basis.
- NM B2B: Decommission of NM B2B **NM21.5** webservice.
- Other important notifications will be tackled later in the presentation

Any questions?



2.2- NM23.5 FBs and CRs presentation

Only new features impacting operations and Externals are presented

Topic	Topic Title
Airport and TMA Network Integration	
CR_039216	Acceptance of TTOT of ATC-DPI outside STW
Operations Improvements	
FB1029	eHelpdesk - NOM evolution
FB1022	ATFCM Domain improvements
FB1017	TCO alerting function
FB1020	Flight Planning Domain improvements and Bug fixes
FB1023	NM B2B Flight Management Improvements
FPFDE (Flight Plan and Flight Data Evolution)	
FB1010	FF-ICE filing Function - file eFPL
Operations Improvements (cont.)	
CR_046926	Display PTRs in CHMI map (vertical view)
QVR	Modification to the Query Replay Viewer application
INC0082419	Improvement of the CHMI "Restore Workspaces All" feature
FB1021	Airspace Data Domain improvements
EAIMS (European ATM Information Management Service)	
FB1036	CASTAR improvements
FB1016	NM airspace data model evolution
FRA (Free Route Airspace)	
FB1044	FRA Improvements (NPZ)
Airspace Management and Advanced FUA	
FB1024	ASM - Advanced FUA process improvements
n-CONNECT	
FB942	RAD@n-CONNECT
FB943	Airspace

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CR_039216: Acceptance of TTOT of ATC-DPI outside STW



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1- Stakeholders impacted

- Flow Manager (FMP)
- CDM-Airport
- Advanced ATC TWR Airport

CR_039216	Service affected			
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting
Internal computation		Yes		
Data structure				
User Interface				
Procedures				
Training				
B2B				

- **Internal computation:** Change in the way the various parameters exposed to externals (eg. CTOT) are computed.

2- Background – Why

- Request from Towers at CDM airports to increase the A-DPI acceptance flexibility; agreed with the ODSG and DPI WG
- Reduced risk of CTOT deterioration while the flight is taxiing → reduced need for TWR to contact NMOC for CTOT extension
- Statistical analysis has shown that accepting the A-DPI improves traffic predictability

3- New features

- An A-DPI with a TTOT outside the STW will **not** be rejected
- The A-DPI will be processed as follows:
 - When $TTOT < STW \rightarrow$ CTFM created based on $STW_lowerbound$ (standard $CTOT - 5'$)
 - When TTOT inside or after STW \rightarrow CTFM created based TTOT
- CDMStatus will be set to ActualOffBlock
- CTOT will be frozen (except when explicitly requested by flow controller)
- Error message “TTOT OUTSIDE SLOT TOLERANCE WINDOW” suppressed

4- Impact of the FB

- CTOT frozen on acceptance of A-DPI, even when TTOT outside STW
- Reduced need for TWR to contact NMOC for CTOT extension
- ATC remains responsible for CTOT adherence
- Adherence to ATFM Slots remains based upon ATOT of the FSA
- An A-DPI with TTOT outside STW is still considered a “slot buster” according to the slot monitoring regulatory framework, and this will continue to be monitored as such
- The CDM system will no longer receive an error message when the A-DPI TTOT falls outside the STW
- No change to the CTOT extension request procedure

Any questions?



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FB1029: eHelpdesk - NOM evolution



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1- Impact of the FB



- **Stakeholders impacted :**
 - Flow Manager (FMP)
 - Airspace User (Civil)
 - Non-CDM Airport
 - CDM-Airport

FB 1029	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure				Yes	New column
User Interface		Yes			New drop down menu on the NOP
Procedures					
Training		Yes			Simplified HMI interaction for FMP
B2B					
Other					


NM - FB1019

Summer 18-19 Experience

- Capacity shortfalls
- Exponential increase of requests
- Jeopardize the Network service

Summer 19-20 Strategy

- Enhance Network support
- Automation
- Integration
- Request classification



Phone coordination reduction
(Improved overall service)

- The **FB1029** contains following Change Request:

CR_046418 - FMP/TWR delegation access



- **Overview of the change**

- Certain FMPs operate on behalf of TWR for some procedures
- To improve the service, the organization of the requests was based on the requester
- To cover such operating mode, in NM 23.0, the role was associated to the token as follows:
 - One web browser to operate as FMP
 - One web browser to operate as TWR(s)
 - FMP to operate with 2 opened browsers
- After deployment feedback, there was an agreement to cover this operating mode via e-Helpdesk application

OPERATIONAL ACCESS (4)



- **USE CASE 3**

*FMP plays the role of one/several TWRs with the same airport type
(all TWR CDM or non CDM)*

OPERATIONAL ACCESS (5)



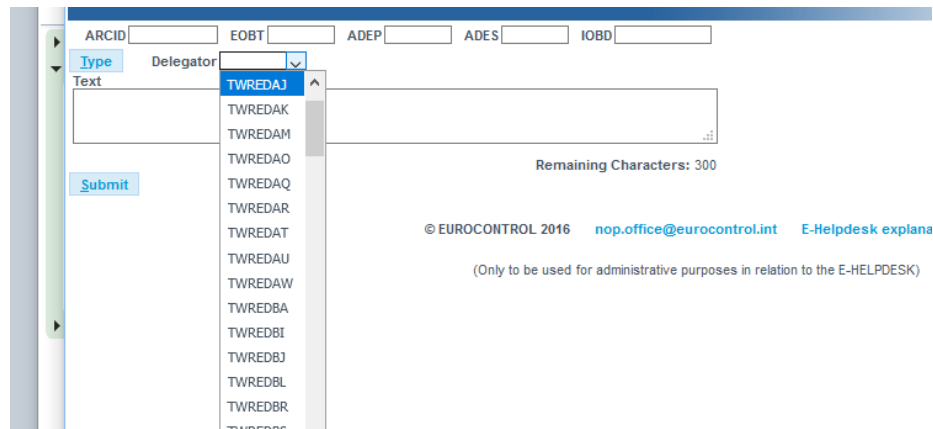
- **USE CASE 4**

FMP plays the role of several TWRs including different airport types

3 - Change

- **Overview of the change**

- This CR will permit relevant FMPs to declare the TWR they are acting upon directly in one unique browser with the following set-up:



The screenshot displays a web form with several input fields at the top: ARCID, EOBT, ADEP, ADES, and IOBD. Below these is a 'Type' button and a 'Delegator' dropdown menu. The dropdown menu is open, showing a list of TWR codes: TWREDAJ (highlighted), TWREDAK, TWREDAM, TWREDAO, TWREDAQ, TWREDAR, TWREDAT, TWREDAU, TWREDAW, TWREDBA, TWREDBI, TWREDBJ, TWREDBL, TWREDBR, and TWREDBS. To the right of the dropdown is a large text input field. Below the text field, it says 'Remaining Characters: 300'. At the bottom of the form, there is a 'Submit' button. Below the form, there is a copyright notice: '© EUROCONTROL 2016' followed by links to 'nop.office@eurocontrol.int' and 'E-Helpdesk explana'. Below that, a note states: '(Only to be used for administrative purposes in relation to the E-HELPDESK)'.

- The FMPs operating as FMP shall fill-in the request without any 'Delegator value'
- The FMPs operating as TWR shall fill-in the request AND the 'Delegator value'
- **No impact** on existing FMP tokens.

To facilitate the input of the 'Delegator' field, the application permits to search by typing the relevant TWR.

4 - Deployment

- New column (tracing the delegator):

Refresh			Create			Setup															
My	Type	Details	ARCID	ADEP	ADES	EOBT	CTOT	REGUL+	DLA	MLAD	State	ANU	Type	Delegator	Submitted	L					
✓	Request for Improvement	✈	JNL963	EDDB	EBBR	08:37	08:51	EBEEC05M	8		⇒ Submitted	FMPEBBU	FMP	TWR_STD/TWREBAM	05/09/2019 10:13						
✓	Request for Improvement	✈	ICE68L	BIKF	EBBR	07:40	07:51	EBNWC05M	0		⇒ Submitted	FMPEBBU	FMP	TWR_ACDM/TWREBBR	05/09/2019 10:14						

- The NM strongly recommends FMPs to:
 - Train your operational teams with the change.
 - Participate in the operational testing session (OPT)
 - Validate the list of delegated TWRs that application shows.
 - Report any incident following the normal OPT process.
- NM will remind FMPs acting as TWRs to participate in the OPT



5 - How to use the service and best practices

TELEPHONE

- It is strongly recommended to reduce to the minimum the use of the telephone coordination.
- The telephone coordination *shall not be used* to request improvements, exclusions from regulations or extensions requests before COBT-20 (exceptional reasons permit TWR to contact afterwards).



INTERFACE

- It is strongly recommended to *use the electronic coordination* means (B2B/NOP) to transmit the necessary requests. This has a beneficial effect on the treatment of most urgent requests.
- FMP using electronic desk *shall choose between B2B or NOP* interface and *never use the two channels simultaneously*.



PROCEDURES

- *Review the ATFCM manuals* to understand when and where you are entitled to request helpdesk assistance.
- Remember that helpdesk requests have *limited possibilities* subject to Network *capacity constraints*.



TRAINING

Train your operational staff with the new features and remind the procedures and operational best practices.



6 – Future Helpdesk (iDAP)



Prioritization Matrix



Any questions?



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FB1022: ATFCM Domain improvements



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CR_045506 : FAM parameter reduction

3rd (final) step of the reduction of the FAM parameter from 20 to 15 minutes

- **Unlikely to be implemented in NM23.5**
- **To be confirmed at a Go/No-Go Webex by NM and the stakeholders on the 17th September 13:00 Brussels local time.**

- FAM related information is available at: <https://www.eurocontrol.int/system/enhanced-tactical-flow-management-system>
- Or contact: nmfamreduction@eurocontrol.int

Any questions?



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FB1017: TCO alerting function



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1- Stakeholders impacted

- Airspace User (Civil)
- Airspace User (Military)
- CFSP
- CAA / EASA / EC
- Non-CDM Airport
- CDM-Airport
- ARO
- Air Navigation Service Provider (ANSP)

FB1017	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface					
Procedures					
Training					
B2B					
Other					Reception of TCO alert messages

2- Background – Why

The European Union has centralised the process to authorise third-country (non-EU) operators (TCO) performing commercial air transport operations into the EU,

NM already operate the TCO Alarming service on behalf of the EU. During the operational testing phases and since the operation deployment of the TCO Alarming service, when an Alarm is triggered and EASA contact the relevant Aircraft Operator, the conversation can be difficult due a lack of Aircraft Operator understanding of the Alarming process.

The European Commission (EC) has requested that the Network Manager implements an update to the current TCO Alarming system to deliver TCO alert messages to the Aircraft Operators.

3- New features

- The NM TCO Alarming System will be changed to send TCO Alert messages to the Flight Plan originator and the associated Airlines via AFTN/SITA communications networks.
- For flights that have been alerted for and are active in IFPS, the alert shall be cancelled if a TCO authorisation is received.
- Alerts shall not be sent to the originator of airborne flight plan updates from ATC (AFP/FNM/MFS messages).
- There is no NM B2B service for TCO alerting.

3- New features

Example of Alert:

This alert is generated by the EUROCONTROL Network Manager TCO alarming function.

This message is sent on behalf of the European Community Regulation (EU) 452/2014 participating Member States, and the European Commission.

The following flight has been identified as not having the correct TCO authorisation:

AIRCRAFT IDENTIFICATION : MAS4C
AERODROME OF DEPARTURE : WMKK
AERODROME OF DESTINATION : EGLL
DATE OF FLIGHT : 190902
ESTIMATED OFF BLOCK TIME : 1150
FPL IDENTIFICATION : AT00227152

Further information concerning this message and associated procedures is available at:
<http://www.easa.europa.eu/faqs/tco>

4- Impact of the FB

- The NM TCO Alarming System shall send TCO Alert messages to the Flight Plan Originator and the associated Airlines via AFTN/SITA communications networks if a FPL is filed for a flight that is identified as not having the correct TCO authorisation.

Any questions?



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FB1020: Flight Planning Domain improvements

Includes critical bug fixes



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1- Stakeholders impacted

- Airspace User (Civil)
- Airspace User (Military)
- AO or CFSP
- Non-CDM Airport
- CDM-Airport
- ARO
- Air Navigation Service Provider (ANSP)

FB1020	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation	Yes	Yes			
Data structure	Yes	Yes			
User Interface	Yes	Yes			
Procedures	Yes	Yes			
Training	Yes	Yes			
B2B	Yes	Yes			
Other					

- **Internal computation:** Change in the way the various parameters exposed to externals (eg. CTOT) are computed.

2- Background – Why

- Change IFPS behaviour as requested by the EUROCONTROL NM Stakeholders.
- Fixes to software deficiencies.

3- New features

FB1020 - Do not report error for invalid alternate aerodrome

The current check in IFPS is not according to ICAO provisions and there are cases when the ALTN needs to be the same as the ADES (e.g. large airports with multiple runways or flight planning software limitations).

With this new software release, IFPS shall not raise an error when the filed Alternate Aerodrome (ALTN) matches the filed Destination Aerodrome (ADES).

The following FPL will not raise an EFPM228 error:

```
(FPL-WOOPS-IM
-H60/M-SBDFGIRTUY/S
-EPP01340
-N0127A040 TENVO DCT
-EPPW0030 EPPW
-PBN/C2D2O2S2 PER/H)
===== REPORTED ERRORS - START =====
EFPM228: INVALID VALUE (ALTRNT1)
===== REPORTED ERRORS - END =====
```

3- New features

Critical bug fixes #1 - IFPS accepts IFR as requested cruising level

(I2_117070)

IFPS currently accepts and outputs the three letter indicator “IFR” as a requested cruising level within filed flight plans. That is not compliant with the ICAO Doc 4444 specifications for the content of a filed flight plan. With the NM23.5 release, IFPS will invalidate such a filing returning the error:

SYN101: INVALID LEVEL DESIGNATOR.

Example of incorrect filing:

```
( FPL-WOOPS-ZG  
-SR22/L-SDFGY/S  
-EKYT1300  
-N0150F070 DCT AAL/N0150IFR DCT KOR/N0120VFR DCT BORUP DCT  
-EKRK0100 EKOD  
-0 )
```

3- New features

Critical bug fixes #2 - IFPS/ETFMS messages with invalid characters

(I2_116122)

- The IFPS/ETFMS errors being output are not consistent with the ADEXP Standard or the IFPS Dictionary of messages (DOM). This results in the invalid characters being changed to '?' by NM systems for the Type-B output (SITA and ARINC).
- There are recipients of these messages that can process the full character set but are still receiving NM messages with the unusual '?' inserted.
- With the new release, NM will stop changing the characters.
- The characters that used to be changed to "?" are:
 - "_" (underscore)
 - "|" (vertical bar)
 - "[" and "]" (square brackets)
 - "`" (back quote)
 - ";" (semicolon)
 - ">" (greater than)
 - "%" (percent)
- NM Release Notes will be updated accordingly.

4- Impact of the changes

- A FPL that used to be rejected when filing an ALTN that is the same as the ADES will no longer be rejected.
- Flight plan originators that use the invalid format of “IFR” as a requested cruising level will receive reject messages from IFPS.
- Systems that receive IFPS REJ messages and/or ETFMS FLS messages may need to adapt to cope with the change in characters.

Any questions?



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FB1023: NM B2B Flight Management Improvements



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1- Stakeholders impacted

- Airspace User (Civil)
- Airspace User (Military)
- AO or CFSP
- Non-CDM Airport
- CDM-Airport
- ARO
- Air Navigation Service Provider (ANSP)

FB1023	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure	Yes				
User Interface					
Procedures	Yes				
Training	Yes				
B2B	Yes				
Other					

2- Background – Why

- Align NM B2B with the changes made to the NOP/CHMI in the last software release.
- Request from airlines for B2B functionality.
- NM B2B Web Services evolution.

3- New features

CR_045717: AOWIR / IFPUV enhancements via B2B

This CR enhances the AOWIR (Aircraft Operator What-If Rerouting) and flight plan validation services by providing as output the CTOT (Calculated Take-Off Time) and last validity period (before the route becomes invalid).

3- New features

CR_046606: B2B subscribe to IFPS message processing status

This CR introduces ORM (Operational Reply Messages) via B2B Publish/Subscribe paradigm. This will support users that are currently filing flight plans via AFTN/SITA networks and at the same time are building new software applications that connect to NM B2B but not to AFTN/SITA.

3- New features

When subscribing to ORMs via B2B it shall be possible to filter ORMs based on:

- **Message originators**

It shall be possible to specify a list of message originator ANU ids, and only ORMs related to FPM messages filed from such originators shall match the subscription.

- **Aircraft Operators**

It shall be possible to specify any combination of the following aircraft operator filters:

- aircraft operators derived from ARCID (field 7b)
- aircraft operators derived from OPR/ subfield (field 18)
- operating aircraft operators

This list shall match the aircraft operator derived from the OPR/ subfield and only in case this is missing, with the aircraft operator derived from ARCID.

3- New features

When subscribing to ORMs via B2B it shall be possible to filter ORMs based on:

- **Message types**

It shall be possible to specify a list of ATS message types (e.g. FPL, CHG, ARR, DEP, RQP, etc.), and only ORMs related to such message types shall match the subscription

- **Processing status**

It shall be possible to specify the kind of processing status to be notified about:

- automatic ACK from IFPS
- automatic MAN from IFPS
- automatic REJ from IFPS
- manual ACK from operator
- manual REJ from operator

4- Impact of the FB

The changes will impact only users deciding to make use of the new B2B features.

Any questions?



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FB1010: FF-ICE filing Function - file eFPL



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Impact of the FB

- **Stakeholders impacted:**
 - AO or CFSP

FB 1010	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure	Yes				
User Interface					
Procedures	Yes				
Training	Yes				
B2B	Yes				
Other					

Topics

- Implementation planning – high level overview
- Supported services
- Improvements in NM23.5

NM FF-ICE Implementation Plan – High level

- FF-ICE/1 phase 1
 - Filing service - NM21-NM24
 - eFPL filing by AO/CFSPs to NM
- FF-ICE/1 phase 2
 - eFPL distribution – NM23-NM24
 - Planning service – NM24-NM25
- FF-ICE/1 phase 3
 - Planning service with ATC reply to NM – NM24-NM25

FF-ICE/1 Phase 1 – Supported Services

- **Initial FF-ICE Trial Service**
 - Flight Plan Validation
- **Initial FF-ICE Filing Service**
 - Flight Plan Creation
 - Flight Plan Update
 - Flight Plan Cancellation
- **Initial FF-ICE Flight Data Request Service**
 - Flight Retrieval
 - to obtain all data available about that flight
 - Filing Status
 - to obtain the status of their own flight plans(s) e.g. when MAN was received as reply to eFPL file

FF-ICE Services
NM B2B services

Services over current NM B2B and using FIXM4.1

NM23.5 Improvement/Evolution

- Support **Structured route/trajectory elements as standalone**
 - Structured route information without trajectory details
 - Three options available to users:
 - *RouteText* (today's Item 15 of the FPL), or
 - 'Structured Route', or
 - 'Structured Route' and Trajectory information
- Support **mixed flight rules (i.e. IFR/VFR) indication in the structured route/trajectory elements**
 - To indicate VFR portions of the flight – if any
 - NM23 – info provided in the *RouteText* information = 'free text' data

Documentation

- NM
 - NM B2B Reference Manual
 - <https://ost.eurocontrol.int/sites/B2BWS/default.aspx>
 - Flight Services, FIXM Validation Rules for NM B2B, etc.
 - NM Release Notes for NM23.5
 - *FF-ICE/R1 Extended Release Notes*
- FIXM CCB (www.fixm.aero)
 - FIXM Implementation Guidance
- ICAO (<https://portal.icao.int/icao-net/Pages/default.aspx>)
 - PANS-ATM (Doc 4444)
 - FF-ICE Manual (Doc 9965)
 - Vol. 1 – FF-ICE Concept
 - Vol. 2 (New) – Implementation Guidance

Any questions?



CR_046926: Display PTRs in CHMI map (vertical view)

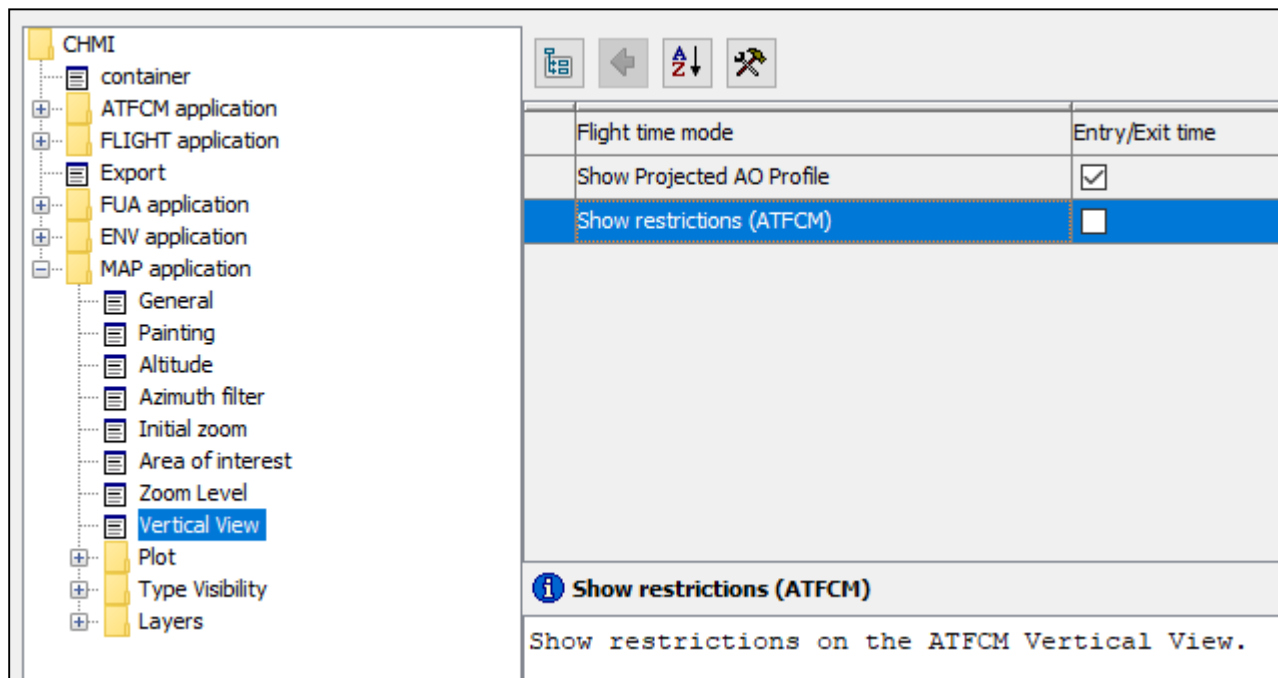
1- Stakeholders impacted

- Flow Manager (FMP)
- Airspace Manager (AMC)
- Airspace User (Civil)
- Airspace User (Military)
- AO or CFSP
- Air Navigation Service Provider (ANSP)
- Any CHMI, CIAM, CIFLO, CITO and CIAO user

CR_046926	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface	Yes	Yes			
Procedures					
Training					
B2B					
Other					

3- New feature

- This choice will be done using the CHMI preferences:
 - MAP application ⇒ Vertical View ⇒ Show restrictions (ATFCM [application])



4- Impact of the FB

- By default, preference will be set to NOT display PTR.
- With the option selected, the display of the vertical view can take up to 30 seconds **per PTR**.

Any questions?



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QRV: Modification to the Query Replay Viewer application

Replay queries in the past



NETWORK
MANAGER



1- Stakeholder impacted

- Flow Manager (FMP) using the Query Replay application

QRV	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface					
Procedures				Yes	
Training					
B2B					
Other					

2- Background

- The CHMI Query Replay Viewer is a stand-alone CHMI with only the QueryReplay application embedded.
- It allows FMPs to query historical traffic up to 2 years in the past.

3- Changes

- Users who want to replay queries may have to keep the former versions of Query Replay Viewer installed on their machine:
 - To replay queries **after 15 October 2019**, use the operational CHMI (version **15.5**)
 - To replay queries between **01 May 2019** and **15 October 2019**, use the CHMI Query Replay Viewer version **15.0.5.5**
 - To replay queries between **02 May 2018** and **30 April 2019**, use the CHMI Query Replay Viewer version **14.5.5.4**
- Cf. NM Release Notes §4.4.8

4- Impact

- Users will have to choose various Query Replay Viewer versions depending on the timeframe of their queries.
- Each Option2-PC (ie managed by NM) will have 3 Query-Replay Viewer installed:
 - Standard CHMI
 - CHMI Query Replay Viewer version 15.0.5.5.
 - CHMI Query Replay Viewer version 14.5.5.4.
- Other users (managing themselves the CHMI installation) will have to keep the appropriate version of the Query Replay Viewer installed.

Any questions?



INC0082419: Improvement of the CHMI “Restore Workspaces All” feature

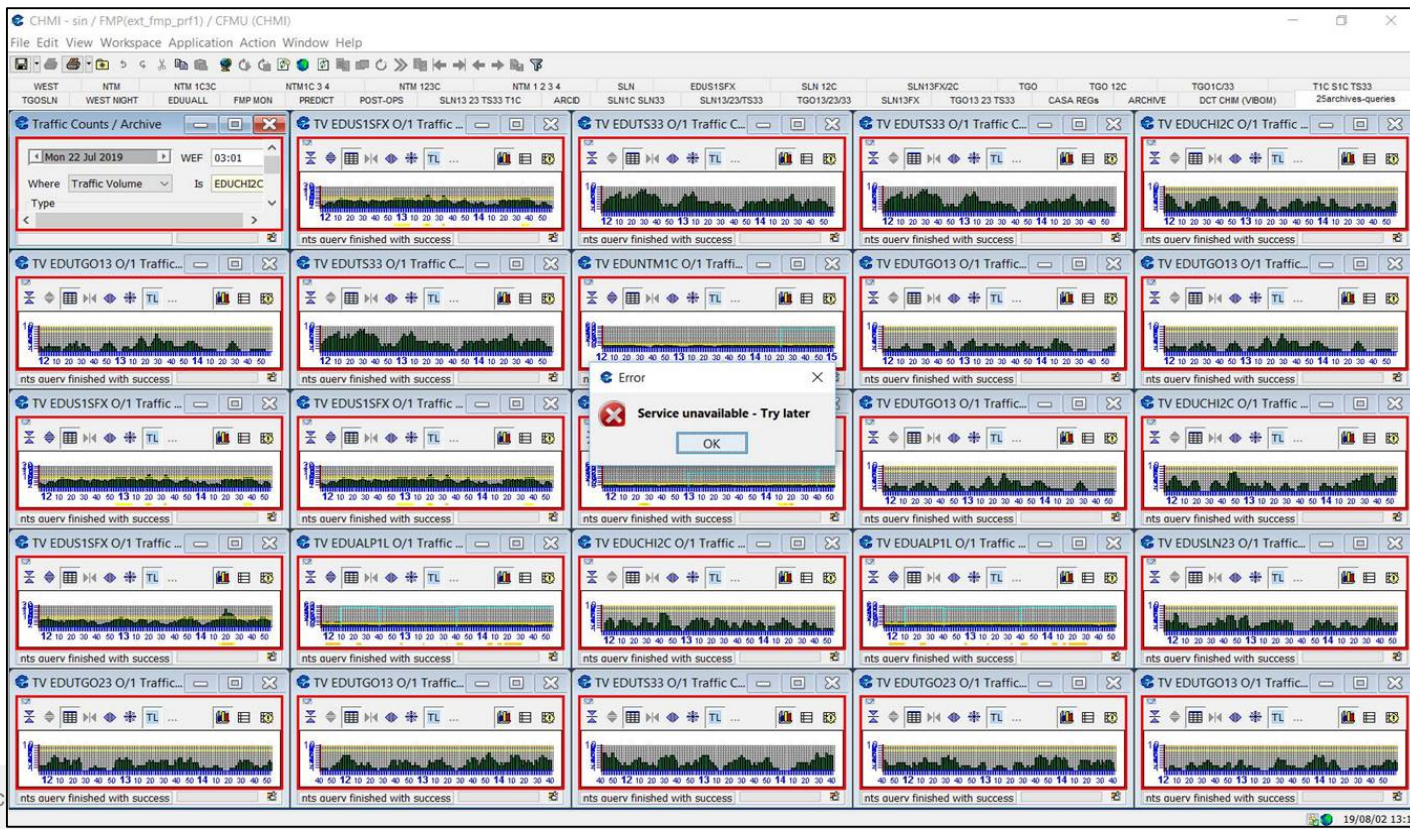
1- Stakeholders impacted

- Flow Manager (FMP)
- Airspace Manager (AMC)
- Airspace User (Civil)
- Airspace User (Military)
- AO or CFSP
- Air Navigation Service Provider (ANSP)
- Other: Any CHMI, CIFLO, CITO, CIAO and CIAM users

INC0082419	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface	Yes	Yes	Yes	Yes	
Procedures					
Training					
B2B					
Other					

2- Background – Why

- CHMI users (including CIAO, CITO, CIFLO and CIAM) may store their workspaces (tabs) and restore them later (menu Workspace ⇒ Restore ⇒ All)
- Each Workspace may contain many windows.
- Some users store more than 15 workspaces, with more than 10 windows in each of them.
- Restoring these workspaces could trigger an “Service unavailable” error raised by NM systems to protect against overload.



3- New feature



- To avoid this error, there will be an intentional “pause” of 0.2 second between the launch of each workspace

4- Impact of the FB

- In comparison with the previous version, launching the “Restore All” feature will be slower by around 2 to 5 seconds.
- The “Service unavailable” error will no longer be raised when using the “Restore All” feature. This feature is usually used once at startup.

For best CHMI performance, NM recommends to limit the number of Windows per Workspace to maximum **16**

Any questions?



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FB1021: Airspace Data Domain improvements



NETWORK
MANAGER



1- Stakeholders impacted

- ENV data providers

FB1021	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation			Yes		
Data structure					
User Interface			Yes		
Procedures			Yes		
Training			Yes		
B2B					
Other					

- Internal computation: Change in the way the various parameters exposed to externals (eg. CTOT) are computed.

2- Background – Why

- Short background of the FB:
 - Only enabled data objects can be sent to SIMEX for testing/evaluation today.
 - Disabled objects had to be enabled and would also be enabled in the OPS database possibly causing active false constraints.
 - New status flag “Prevalidation” (in addition to enabled/disabled).
 - We will now be able to validate the following more accurately:
 - Prevalidation objects e.g. Restrictions (RS) can be tested and evaluated in SIMEX
 - Prevalidation Restrictions will be adapted to the referenced dependant applicability.
 - Bulk Restriction Renaming
 - Existing AD DCT restrictions do not always adhere to the published naming convention.
 - Bulk renaming is to be anticipated
 - Departure DCT restriction Id will be e.g. EBBR5D
 - Arrival DCT restriction Id will be e.g. EBBR5A
 - ATC units could until now only be responsible for 1 ATC Unit Airspace.
 - E.g. A tower (TWR) could be responsible for a single aerodrome.
 - E.g. Now a TWR or APP can be responsible for the FPLs of more than one aerodrome.

3- New features

- New Object Status “Prevalidation”
 - Prevalidation objects e.g. Restrictions can be tested/evaluated in SIMEX.
 - Prevalidation Restrictions will be adapted to the referenced dependant applicability when tested in SIMEX.
- All AD DCT restrictions will respect the naming convention.
- ATC units can now be responsible for more than one ATC Unit Airspace.

3- New features

NM plans to allow in CACD Aerodromes with no ICAO or IATA identifier.

Why: To align with the European Aeronautical Database (EAD) and prepare for VFR flight planning in the future.

- CR_040712: As from NM23.5, CACD will be populated with new aerodromes that may have no ICAO and/or IATA identifiers.
- NM will generate identifiers for these Aerodromes (rules available in the NM Release Notes).
- These aerodromes will be exported via NM B2B.
- Flight plans and related messages output in ICAO or ADEXP format remain unchanged still using ZZZZ for these ADs.
- See NM Release Notes §4.1.3 for more information.

4- Impact of the FB

- Impact for external clients limited to a bulk renaming of the DCT restrictions at the beginning of the first AIRAC after the Release of NM 23.5.

Any questions?



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FB1036: CASTAR improvements



NETWORK
MANAGER



1- Stakeholders impacted

- Airspace User (Civil)
- Airspace User (Military)
- ENV data provider
- AO or CFSP

FB1036	Service affected				
	Flight Planning	Flow	Aeronautical Information/ AS data	Reporting	Other
Internal computation			Yes		
Data structure			Yes		
User Interface			Yes		
Procedures			Yes		
Training			Yes		
B2B			Yes		
Other	VFR Restriction				

- Internal computation: Change in the way the various parameters exposed to externals (eg. CTOT) are computed.

2- Background – Why

Aerodrome (AD) Flight Rules Timesheet alignment.

- Some Flight rule timesheets in Annex 15 contain expressions like Sun Set (SS)+10 or 1700 UTC which ever is earlier.
- FPL Flight Rules (FR) validation at ADEP/ADES are now based on inaccurate times
- Incorrect calculation of timesheets.
- EAD download requires manual corrections.

3- New features and impact of the FB.

- FPL FR at ADES/ADEP validation enhancement.
 - SR/SS reference tables
 - More accurate time derivation at any desired location
 - Correct calculation of VFR/IFR operations time sheets also taking complex expressions into account.

Any questions?



FB1016: NM airspace data model evolution (Introduction of IAPs into CACD)

1- Stakeholders impacted

- ENV data provider (Env Coordinators).

FB1016	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure			Yes		
User Interface			Yes		
Procedures			Yes		
Training			Yes		
B2B					
Other					

2- Background – Why

- Short background of the FB:
 - Align Approach Procedures (AP) with the (NM combined concept of STAR and Instrument Approach Procedures (IAP)) with the Aeronautical Information Exchange Model (AIXM).
 - Seamless download of Annex 15 Data from the European Aeronautical Database (EAD).
 - Split the artificially merged concept of AP into STAR and IAP.
 - Enhance the concept of Initial Approach Fix (IAF).
 - More accurate description of IAP.
 - Abandon the NM AP/Departure Procedures (DP) synonym concept.
 - No more STARs hidden behind other STARs of the same AD.
 - Rename Departure Procedure (DP) to SID.

3- New features

- The changes are transparent to most users.
- Only the Environment Coordinator's (ENVCOORs) will be directly affected by the new (CACD) concept of IAP
- NM B2B users of airspace data will only be impacted from NM24.0 onwards.

4- Impact of the FB

- No impact for externals except ENVCOOR (Env Coordinators).

Any questions?



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FB1044: FRA Improvements (NPZ)



NETWORK
MANAGER



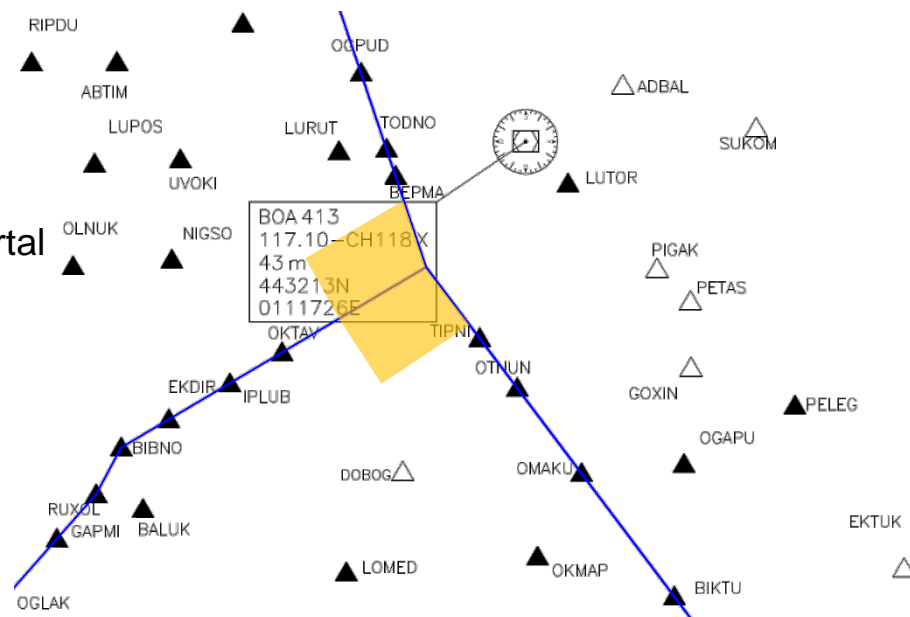
1- Stakeholders impacted

- ENV data provider
- Flight Planning

FB1044	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure	Yes	Yes	Yes		
User Interface					
Procedures					
Training					
B2B	Yes	Yes	Yes		
Other					

2- Background – Why

- Short background of the FB:
 - In Free Route Airspace (FRA) short crossing of multiple ATC airspaces is not protected anymore by the design of the Air Routes
 - Short crossing of multiple ATC airspaces creates complex situations for ATC control resulting in high workload
 - Relevant zones unavailable for flight planning are currently established to protect operationally sensitive areas
 - The first instances of “No Planning Zones (NPZ)” are already published on the NOP portal in Word and PDF files.



3- New features

- New Airspace Subtype NPZ.
 - No Planning Zone.
 - Behaves like any other restricted Airspace.
 - Has availability/activation timetable.
 - Identifier **ccNPZnnn**,
 - e.g. "LENPZ1"
 - cc: Country Code,
 - nnn: number 1..999
 - Restrictions with NPZ as reference location can have dependant applicability.
 - Export NPZ and associated Restrictions via **B2B**.

4- Impact of the FB

- Impact for external clients limited to
 - NPZ can be the reason of a FPL rejection.
 - NPZ restrictions will be in the B2B data.

Any questions?



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FB1024: ASM - Advanced FUA process improvements



NETWORK
MANAGER



1- Stakeholders impacted

- Airspace Manager (AMC)

FB1024	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface					
Procedures					Yes
Training					
B2B					Yes
Other					

2- Background – Why

- Short background of the FB:
 - Several member States requested more flexibility and new capabilities in order to better apply the AFUA process.
 - The objective is to provide more flexible solutions to manage airspace structure data via AUP/UUP.

3- New features

- FB1024: CR_044037 Alert for P3 (Procedure 3) request
- CADF/MILO staff will receive a warning/alert in case that an AMC inserts a P3 request in a draft UUP.
- P3 request – additional airspace and/or route closure.

3- New features

- FB1024: CR_044037 Alert for P3 request

CHMI - optcadf1 / CADF Role(fdoc_cadf_prf1) / SATI.Ciam (CHMI)

File Edit View Workspace Application Action Window Help

Select AUP at 27 - 12:48

WEF: Wed 28/08/2019 06:00
TIL: Thu 29/08/2019 06:00

AMC Selection
☒ All AMCs
☐ Selected AMCs

2 AMC Id	3 Valid WEF	1 Valid TIL	Status	Remark	Last Update
EBBRZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EDDAZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EDDAZAMC	2019/08/28 06:00	2019/08/29 06:00	UUP6 - READY		2019/08/27 12:45
EETTZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EFINZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EGTTZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
BHMCZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
BKDKZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
ENZZZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EPWWZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
ESAAZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EVRZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
EYVCZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LBSFZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LCCZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LDZOZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LECMZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LEFAZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LGGZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LHCCZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED	NIL AUP	2019/08/27 11:46
LRRZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LKAAZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LOVVZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED	NIL AUP	2019/08/27 11:46
LPPCZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LQSBZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LRBBZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LSASZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LYBAZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
LZBBZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46
UKKZAMC	2019/08/28 06:00	2019/08/29 06:00	AUP - RELEASED		2019/08/27 11:46

30 AUPs

Query Filter AMC

Query AUP/UUPs for AMCs finished with success

Edit View Plot Create UUP Release AUPs Send for Simul

3- New features

- FB1024: CR_044037 Alert for P3 request

CHMI - optcadf1 / CADF Role(fdoc_cadf_prf1) / SATI.Ciam (CHMI)

File Edit View Workspace Application Action Window Help

Edit UUP for EDDAZAMC at 27/08/2019 12:41

UUP for EDDAZAMC From 28/08/2019 06:00 Until 29/08/2019 06:00

Status: **READY** Remark:

RSAs Manual CDRs Overview Note

RSA Availability

☒ AMA ☒ NAM ☒ RCA

CAT	Lvl1	Lvl2	RSA Id	MIN FL	MAX FL	WEF	TIL	FIR/UIR
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR302Z	245	660	06:00	06:00	UIR EDVW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305	245	UNL	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305A	245	UNL	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305AZ	245	660	06:00	06:00	UIR EBUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305B	245	UNL	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305C	245	UNL	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305D	245	UNL	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR305Z	245	660	06:00	06:00	UIR EBUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR307C	315	355	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR307CZ	305	365	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR307S	315	355	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR307SZ	305	365	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR308	285	350	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR308F	285	365	21:30	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR308FZ	285	365	06:00	06:00	UIR EDUW ...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR31	GND	145	06:00	06:00	FIR EDVW

RSA Allocation

☒ AMA ☒ NAM ☒ RCA

CAT	Lvl1	Lvl2	RSA Id	MIN FL	MAX FL	1 WEF	2 TIL	FUA/E...	Resp Unit	FIR/UIR	Remark	Confr...
AMA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR307CZ	315	365	12:00	15:30			UIR EDUW		<input checked="" type="checkbox"/>

CDR Expansion

☒ ATS ☒ CDR1 ☒ CDR2 ☐ NOT OPENED

EXCL	Type	1 Route Id	From Point	To Point	MIN FL	MAX FL	2 WEF	3 TIL	FIR/UIR	Remark	Confirmed
<input type="checkbox"/>	ATS	T107	LUPN	GESLU	315	365	12:00	15:30			<input checked="" type="checkbox"/>
<input type="checkbox"/>	ATS	T106	LOH	BANIM	315	365	12:00	15:30			<input checked="" type="checkbox"/>
<input type="checkbox"/>	ATS	T119	MEXIT	IGL	315	365	12:00	15:30			<input checked="" type="checkbox"/>
<input type="checkbox"/>	ATS	T119S	LOH	IGL	315	365	12:00	15:30			<input checked="" type="checkbox"/>
<input type="checkbox"/>	CDR1	T100	MERSI	AMPEG	315	365	12:00	15:30			<input checked="" type="checkbox"/>
<input type="checkbox"/>	CDR2	T109	MAH	ROREM	315	365	06:00	12:00			<input checked="" type="checkbox"/>
<input type="checkbox"/>	CDR2	T109S	MAH	ROREM	315	365	15:30	12:00			<input checked="" type="checkbox"/>

FUA/EU Restrictions and Restriction Groups

1 RS/RSG Id	Activate	Remark	Confirmed
EDR307CZQ	<input type="checkbox"/>		<input checked="" type="checkbox"/>
EDR307CZR	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

UUP details for P3 requests are visible & highlighted in orange

4- Impact of the FB

- Impact of the FB on externals:
 - CIAM
 - Automatic detection of P3 requests by the system will replace the current manual process of communicating such a request.
 - NM B2B users: returns P3 request(s) flag(s).

Any questions?



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FB942: RAD@n-CONNECT



NETWORK
MANAGER



1- Stakeholders impacted



- Air Navigation Service Provider (ANSP)
- National RAD Coordinators, Local RAD Coordinators
- NM RAD Team

FB942	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface			Yes		
Procedures			Yes		
Training			Yes		
B2B					
Other					

2- Background - Why



Today the RAD is coordinated by e-mail and letter exchanges and these exchanges are consolidated into an Excel document. The new application aims to provide a modern collaborative user interface which comes amongst many others with a grammar, user friendly forms, history, restriction plotting, collaborative features and a workflow capability.

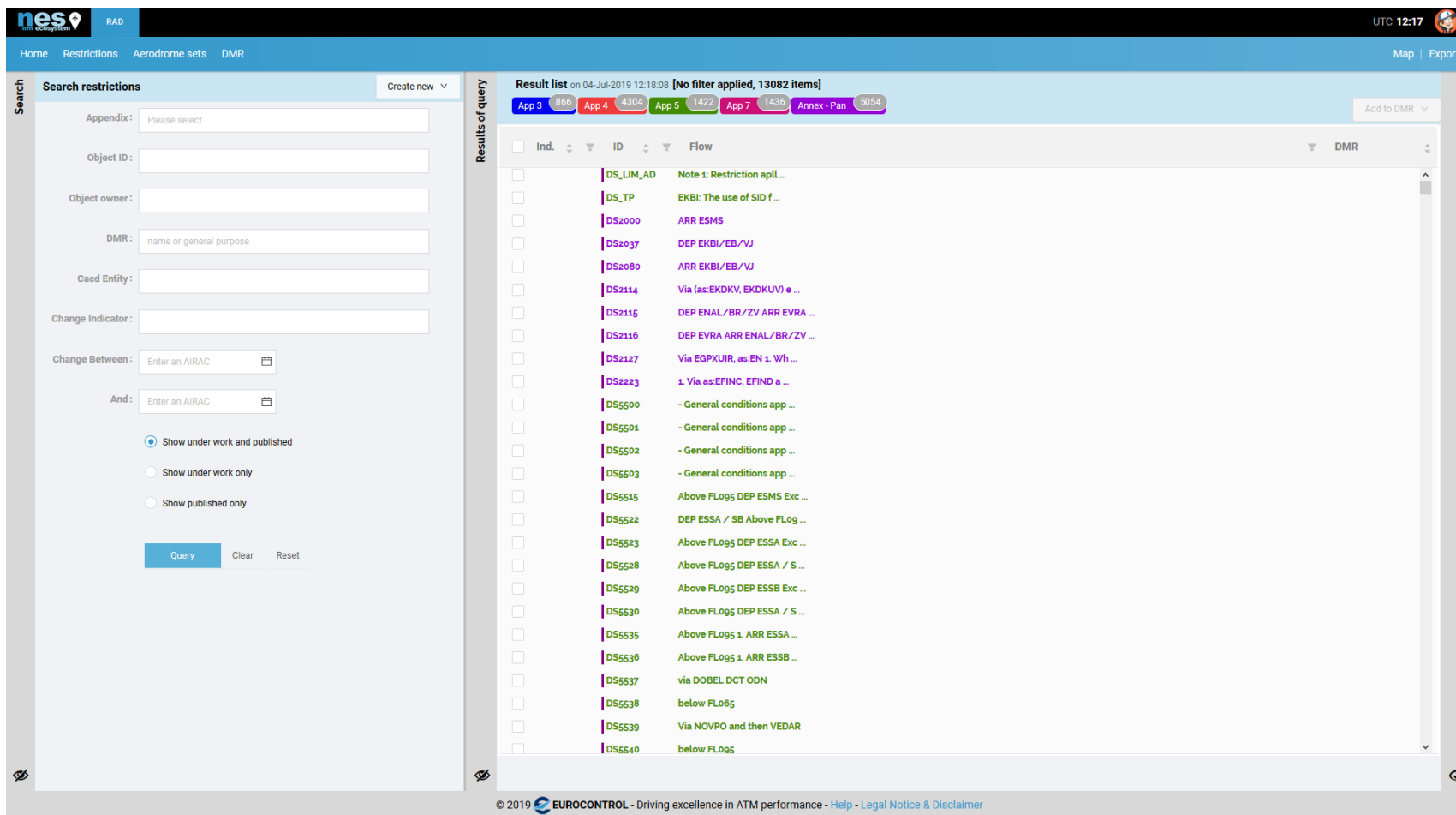
It replies to the business need of providing effective services to all stakeholders at a reduced cost

Benefits are increased usability and less maintenance as the data is stored centrally in a database. It also provides the user with plotting capabilities linked to other applications such as to Airspace easing collaboration.

3- Features of the new application

- Manage (create, update with a workflow, query and retrieve) RAD DMR with a history
- Manage (create, update with a workflow, query and retrieve) RAD Restrictions with a history
- Plot restriction details on the Map
- Notifications and subscription to changes
- Sanity checks
- Attachments
- Formal Textual Expressions/Grammar to RAD restrictions
- Compare and Highlight changes
- Comes with the Airspace application
- Export to Excel

Screenshots: Restriction query and result



The screenshot displays the nes RAD (Restriction and Alerting Database) interface. The top navigation bar includes 'Home', 'Restrictions', 'Aerodrome sets', and 'DMR'. The right side shows the current time as 'UTC 12:17' and options for 'Map' and 'Export'.

Search restrictions panel (left):

- Appendix:** Please select
- Object ID:**
- Object owner:**
- DMR:** name or general purpose
- Caod Entity:**
- Change Indicator:**
- Change Between:** Enter an AIRAC
- And:** Enter an AIRAC
- Filters:**
 - ☒ Show under work and published
 - ☐ Show under work only
 - ☐ Show published only
- Buttons:** Query, Clear, Reset

Results of query panel (right):

Result list on 04-Jul-2019 12:18:08 [No filter applied, 13082 items]


App 3 866 App 4 4304 App 5 1422 App 7 1436 Annex - Pan 5054

Table:

Ind.	ID	Flow	DMR
<input type="checkbox"/>	DS_LIM_AD	Note 1: Restriction appl ...	
<input type="checkbox"/>	DS_TP	EKBI: The use of SID f ...	
<input type="checkbox"/>	DS2000	ARR ESMS	
<input type="checkbox"/>	DS2037	DEP EKBI/EB/VJ	
<input type="checkbox"/>	DS2080	ARR EKBI/EB/VJ	
<input type="checkbox"/>	DS2114	Via (as:EKDKV, EKDKUV) e ...	
<input type="checkbox"/>	DS2115	DEP ENAL/BR/ZV ARR EVRA ...	
<input type="checkbox"/>	DS2116	DEP EVRA ARR ENAL/BR/ZV ...	
<input type="checkbox"/>	DS2127	Via EGPXUIR, as:EN 1. Wh ...	
<input type="checkbox"/>	DS2223	1. Via as:EFINC, EFIND a ...	
<input type="checkbox"/>	DS5500	- General conditions app ...	
<input type="checkbox"/>	DS5501	- General conditions app ...	
<input type="checkbox"/>	DS5502	- General conditions app ...	
<input type="checkbox"/>	DS5503	- General conditions app ...	
<input type="checkbox"/>	DS5515	Above FLog5 DEP ESMS Exc ...	
<input type="checkbox"/>	DS5522	DEP ESSA / SB Above FLog ...	
<input type="checkbox"/>	DS5523	Above FLog5 DEP ESSA Exc ...	
<input type="checkbox"/>	DS5528	Above FLog5 DEP ESSA / S ...	
<input type="checkbox"/>	DS5529	Above FLog5 DEP ESSB Exc ...	
<input type="checkbox"/>	DS5530	Above FLog5 DEP ESSA / S ...	
<input type="checkbox"/>	DS5535	Above FLog5 1. ARR ESSA ...	
<input type="checkbox"/>	DS5536	Above FLog5 1. ARR ESSB ...	
<input type="checkbox"/>	DS5537	via DOBEL DCT ODN	
<input type="checkbox"/>	DS5538	below FLog5	
<input type="checkbox"/>	DS5539	Via NOVPO and then VEDAR	
<input type="checkbox"/>	DS5540	below FLog5	

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Restrictions details


RAD

UTC 12:19

Home Restrictions Aerodrome sets DMR

Search

Results of query

Result list on 04-Jul-2019 12:19:44 [No filter applied, 155 items]

App 3 11 App 4 20 App 5 7 App 7 8 Annex - Pan 109

Add to DMR

<input type="checkbox"/>	Ind.	ID	Flow	DMR
<input type="checkbox"/>		EB_LIM_AD	AD Departures/Arrivals ...	
<input type="checkbox"/>		EB_TP	The use of SID/STARs is ...	
<input type="checkbox"/>		EB1		
<input type="checkbox"/>		EB2		
<input type="checkbox"/>		EB2012	1. ARR EDFM/FV/FZ/RV, ET ...	
<input type="checkbox"/>		EB2023	1. DEP ELLX 2. DEP BRUSS ...	
<input type="checkbox"/>		EB2030	1. DEP as:EDGGFIR except ...	
<input type="checkbox"/>		EB2039	1. ARR EDFM/FV/FZ/RV, ET ...	
<input type="checkbox"/>		EB2055	1. Via BATTY, GESLO, RIT ...	
<input type="checkbox"/>		EB2058	1. Above FL245 DEP BRUSS ...	
<input type="checkbox"/>		EB2066	DEP EBLG	
<input type="checkbox"/>			DEP BRUSSELS_GROUP, EBKT	
<input type="checkbox"/>		EB2068 EB2070	DEP EBBR/MB	
<input type="checkbox"/>		EB2072	DEP EDDR/RZ, ETAR Via ID ...	
<input type="checkbox"/>		EB2073	DEP EDDR, ETAR Via IDOSA	
<input type="checkbox"/>			DEP BRUSSELS_GROUP With-	
<input type="checkbox"/>		EB2076 EB2076	DEP LILLE_GROUP	
<input type="checkbox"/>		EB2078	1. ARR EDDF 2. DEP ELLX ...	
<input type="checkbox"/>		EB2087	DEP EBBR/MB except-via M ...	
<input type="checkbox"/>		EB2088	DEP EBBR/MB, EHEH with A ...	
<input type="checkbox"/>		EB2089	DEP EBCI via UY863	
<input type="checkbox"/>			DEP EDDK ARR PARIS_GROUP	
<input type="checkbox"/>		EB2090 EB2092	ARR EBCI type Jet except ...	
<input type="checkbox"/>		EB2095	ARR EBCI	
<input type="checkbox"/>		EB2100	ARR ELLX	
<input type="checkbox"/>		EB2101	DEP ELLX	

Restriction details

EB2055 - PAN

Delegates:

Compare Validity

Add validity

Split validity

Delete validity

	Start	End	Restricted Airway	From	To	Point or Airspace	ATC Unit	Operational Goal	Remarks
<input type="checkbox"/>	BOT	UFN	Y/UY180	NISIV	DIK			To prevent unusual flight plans	
	Traffic Availability		Flow			Time applicability			
	NOT AVAILABLE FOR TRAFFIC		1. Via BATTY, GESLO, RITAX 2. via LIMGO except DEP EDFH 3. DEP ELLX via ASMOX			H24			

> History

4- Impact of the FB

- National RAD Coordinators and Local RAD Coordinators will use the application to maintain the information and to initiate changes
- The NM RAD team will validate the changes and will provide NM AD with RAD data
- Other users may browse the RAD database (NEC, later AO)
- Procedures shall be established locally how the tool will be used between LRC, NRC and between the NRC and NM RAD during transition and in later use.
- No real system impact expected as the application will run from a browser

5- Other information

There is no need for local installation anymore however its usage requires PENS or internet

Existing tokens for the login will be used, or new tokens were requested

It comes with a full help and a manual

Trainings are also provided

6- Possible next steps

Corrections and
tuning from the
initial version

RAD
export/import
directly to/from
CACD

UI
improvements

Any questions?



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FB943: Airspace application



NETWORK
MANAGER



1- Stakeholders impacted



- Air Navigation Service Provider (ANSP)
- ENVCOOR

FB943	Service affected				
	Flight Planning	Flow	Aeronautical Information/AS data	Reporting	Other
Internal computation					
Data structure					
User Interface			Yes		Replaces CIREN
Procedures					
Training					
B2B					
Other					

FB943 replaces
CIREN

It provides the same
functionality however
with improved
usability, ergonomcy
and a better map

There is no need for
local installation
anymore however the
use requires PENS or
internet

Existing tokens for
the login will be used

FMPs, TWR, ANC
and AOs will continue
to use the existing
CHMI (CIFLO, CITO,
CIAO, CIAM)

FMPs, TWR, ANC
and AOs will upgrade
at later releases

Local documentation
if contains
screenshots might
require an update

The application was developed as part of the n-CONNECT programme which aimed to merge all existing NM interfaces

It replies to the business need of providing effective services to all stakeholder at a reduced cost

Expected benefits are increased usability and less maintenance, later stage integrated CDM workflow with the stakeholders

3- New features



The new application will run from a web browser (Chrome preferred)

No local installation required, therefore less maintenance.

Improved Map



Better organised more logical User Interface which will increase productivity

Better use of multiple screens and maps. It provides the possibility to save user queries, name certain maps, and there new way to handle the map dossier

New feature: contains Sunset, Sunrise values

Is it possible to display elaboration and production braches of airspace data

Screenshots

nes  Airspace  RAD UTC 15:48

AD AZ AB AC AS Airspace FW PT RL RS RT TV VS UT Search Map Process

AS EBAWCR
Branch: *Production 1812 - COMBINED*
Data loaded at: 11-02-19 15:48:03



1103..UFN / 10-03-2011 -> UFN

Detail of airspace EBAWCR

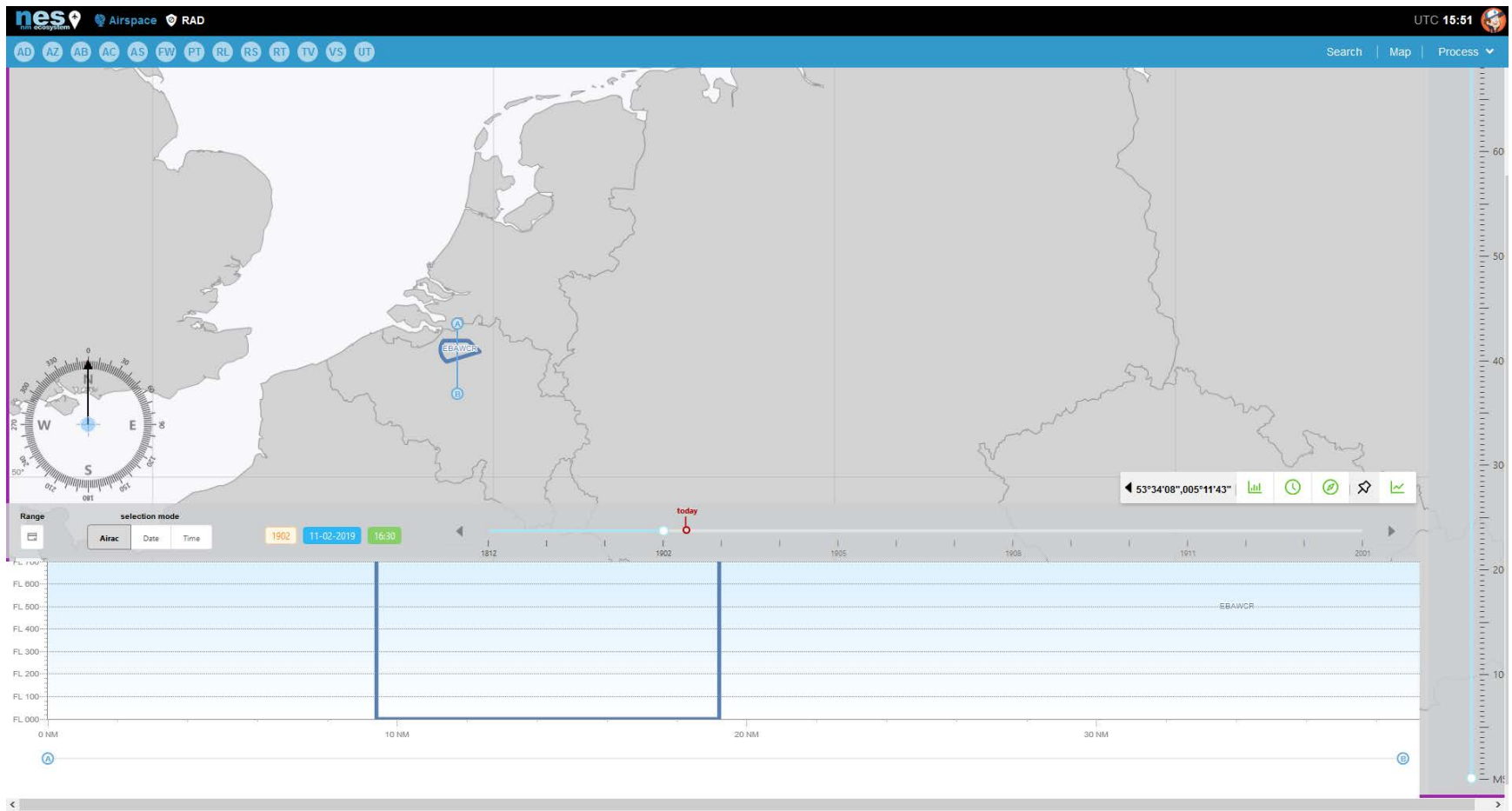
Info Airblocks Where Used Capacities Geolocated Composition

ID: EBAWCR
Airspace Type: ES
TV Skip In (mmss): 01:00
Note: SKIPOUT OLD VALUE: 1

Name: ANTWERP CTR
Display Name: DISPLAY NAME
TV Skip Out (mmss): 15:00
Test / CDA Airspace: ☒ N/A ☐ CDA ☐ Test
Airspace Indicator: CR
Location Indicator: EBAW

 AIRSPACE  New Map

Map screenshot with vertical view, level band and azimuth filter, and with a timeline



Inclusion of a workflow (similar to RAD)

Comparison between elaboration and production data

Better ENV dossier, redesigned CACD forms

Any questions?



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NM23.5 Way Forward



NETWORK
MANAGER



NM23.5: The OPT (Operational Testing) (Release Notes §4.3.3)



NM23.5 is available for testing with the OPT (operational testing) session!

- NM23.5 OPT session is available until the **4th of October**.
- With the NM23.5 OPT you are able to:
 - Test NM23.5 on your systems with your procedures.
 - Download and test the new NM23.5 CHMI.
 - Test the new NM23.5 NOP Portal.
 - Test some new FBs (operational scenario provided in the OPT guide).
- NM OPT instructions (cf. Release Notes §4.3.3):
<https://www.eurocontrol.int/publication/operational-testing-instructions>
- B2B: NM23.5 will be available on PREOPS as from the **24 September 2019 14:00 UTC**
(date modified, to be updated in the next version of the NM Release Notes)
- All you need is to already have access to NM systems. No registration required (unless you want to exchange FPL messages with OPT platform).
⇒ **Questions:** nm.opt@eurocontrol.int

Way forward to NM23.5 migration



- NM23.5 migration is planned to start on the 15/10/2019 (last around 1 week)
 - Detailed Release migration plan may be found in the NM Release Notes (§4.3.4).
 - As for any release, the date of migration is subject to the output from final technical and operational testing.
- To receive information on the Release (including NM Release Notes updates, OPT information, presentations, etc.): subscribe to the mailing (cf. §1 of the NM Release Notes)
- Any question related to the Release: nm.releases@eurocontrol.int

Any questions?



Many thanks for your participation!

