

AOS new Features

T-Systems Airport User Days & Conference |
September, 7-8 2023

T Systems Let's power
higher performance



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Arrival Planning Information (API)/iAOP

Benefits

- *The overall objective of the API Service is to improve coordination between stakeholders and to improve Network, Airport and TMA operations*

AOS Extension

- New Detail Tabfolder „API“
- Contains a table of all API messages generated
- Arrival CDM Alarms for additional awareness
- Implemented according to latest Eurocontrol API Implementation Guide (G-APIs)

The screenshot displays the T Systems API/iAOP interface. At the top, a table lists flight data with columns for flight number, origin, destination, arrival time, departure time, and status. Below this, a tabbed interface shows various sections: 'API' (containing a table of API messages with columns for Status, Created, Rule, Description, and Send?), 'Arrival' (containing a table of arrival alarms with columns for Name, Alarm Content, Active, and Inactive), and 'Departure' (containing a table of departure alarms with columns for Name, Alarm Content, Active, and Inactive). The 'API' tab is currently selected, showing a list of messages such as 'Update flight Status Inbound' and 'Change Position/RWY/Ter...'. The 'Arrival' and 'Departure' tabs show tables of alarms, with the 'Arrival' tab displaying a table with columns for Name, Alarm Content, Active, and Inactive.

Messaging

Benefits

- *Alerting or informing dedicated logged in AOS users*

AOS Extension

- User interface to enter the messages to send
- Recipients receive an info at the bottom right of the main AOS panel
- Send to individual users or a group of users (based on roles)

The screenshot displays the 'Messages' interface. At the top, a table lists existing messages:

Text	Recipient	Created	Modified	Changed by
Time to change the plan	admin	15/03/2023 14...	15/03/2023 14...	admin
This is a test message	admin	15/03/2023 14...	15/03/2023 14...	admin

Below the table is a form to send a new message:

Text

Recipient

At the bottom right, a yellow alert box displays the message: "Alarm: This is a test message" with an information icon.

Rule-Based Special Services

Benefits

- Efficient rule-based assignment of pre-defined services to a flight. Can then be used for tracking and invoicing these additional services.

AOS Extensions

- New “Special Service Rules” screen for defining the condition for assigning the specific services
- Services are generated upon rolling out the operational days
- Are also created whenever a new flight is entered into the system
- The generated services can be updated in the “Special Service” tab folder

The screenshot displays the 'Special Service Rules' application window. At the top, there is a table listing existing rules:

Name	Short Description	Long Description	Active?	Start	End	Pref.	Last Change	Changed By
Services for LH			<input checked="" type="checkbox"/>			00	21/05/21 1546	admin
Services for EY			<input checked="" type="checkbox"/>			00	21/05/21 1547	admin

Below this table, the 'Detail' tab is selected, showing a configuration for a specific rule. A dropdown menu indicates 'at least one' of the following conditions apply. The 'Condition' section shows 'Airline (A) = LH'. The 'Description' section lists services: 'Wheelchair Service' (WHEELCH...), 'Catering' (CATERING), and 'Ground Power Unit' (GPU). The 'Attribute Na...' section shows 'Airline (A)' with a logical operator '=' and value 'LH'.

Description	Resource...	Resource T...	Amo...	Unit	Type	\$?	Comment
Wheelchair Service	WHEELCH...	WCH	10.00		F	<input checked="" type="checkbox"/>	
Catering	CATERING	CATERING		PIECES	F	<input checked="" type="checkbox"/>	
Ground Power Unit	GPU	GPU			F	<input checked="" type="checkbox"/>	

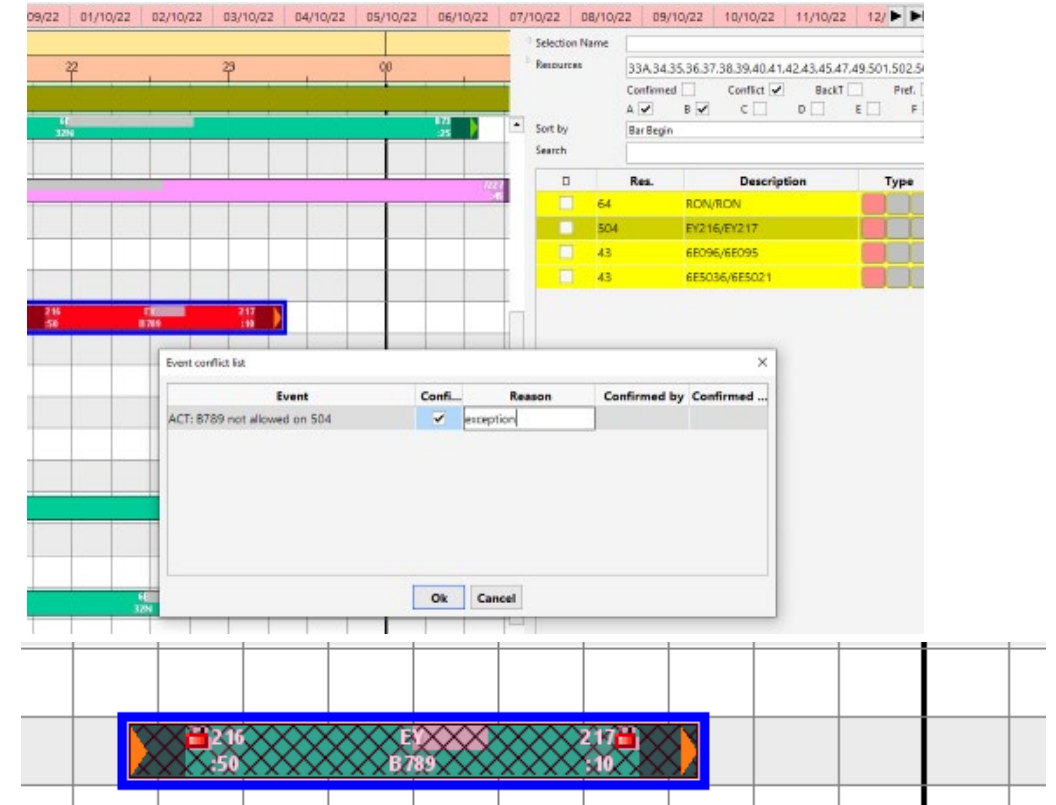
Conflict Management

Benefits

- *Better visibility and tracking of confirmed conflicts*

AOS Extension

- Persistent acknowledge / unknowledge of conflicts including timestamps (visible for all users)
- Approved conflicts are approved for all RMS users.
- Enter additional reasons for traceability and clarification.
- Tracking in Audit trail
- Changed Bar layout for more visibility



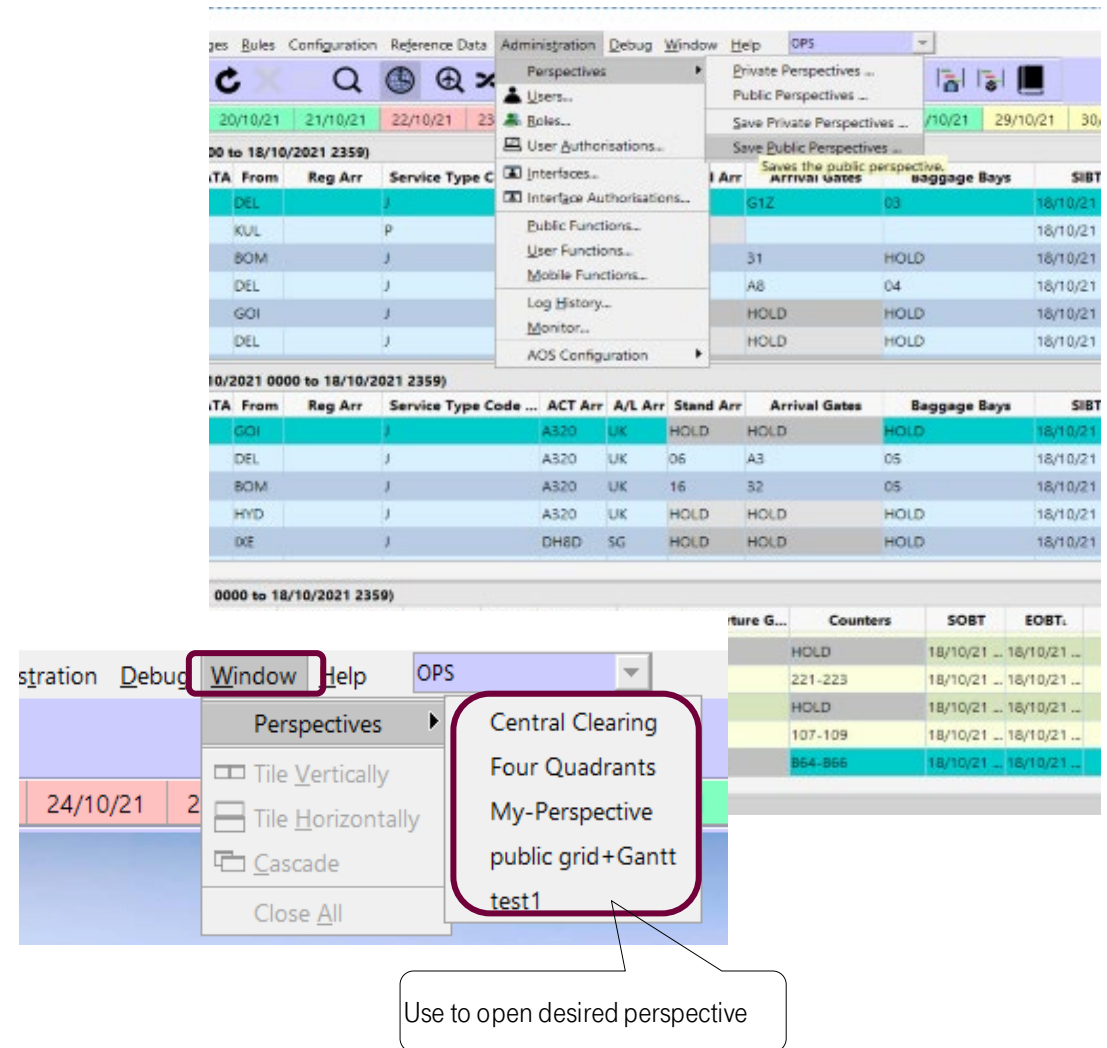
Perspectives

Benefits

- For an easy way to save/open the way user has arranged the Windows

AOS Extension

- Positions and configuration (view) of each window can be saved
- Public Perspective & Private Perspectives can be created using the provided functions
- Saved perspectives are stored under the Window menu and can be retrieved at any time
- One selection dialog applicable for all windows requiring a selection input



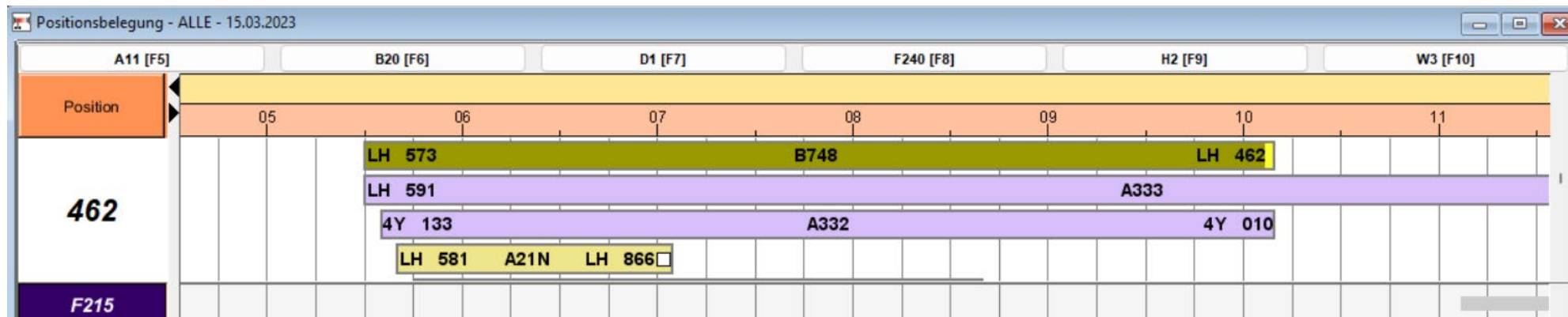
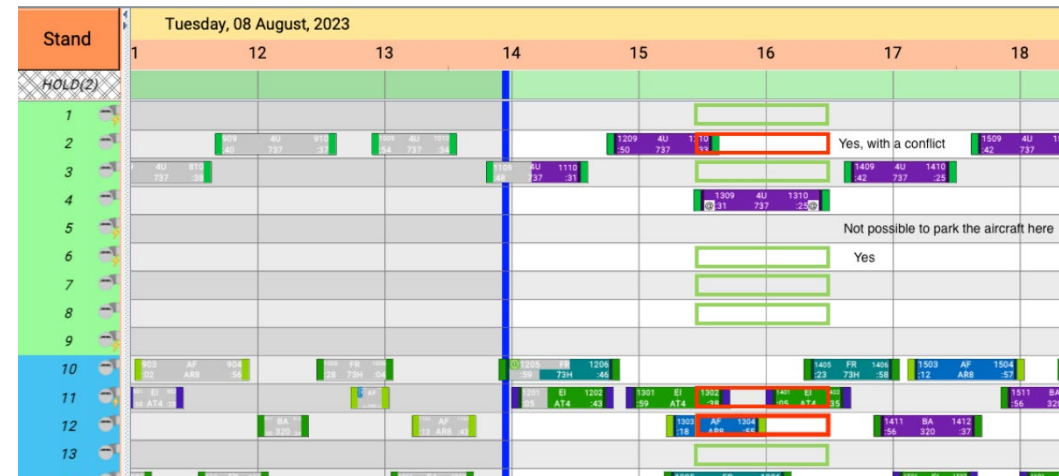
And some more...

- Export/Import of Rules
- Weather Information
- Notice to Airman Message (NOTAM)
- Alarm Based Check List
- Fixed Timeline in Gantt Chart
- Highlight mandatory fields
- Display Multiple Runways
- Special Service Request Code (SSR)
- Baggage Halls
- Nature Code
- Book Load
- Identifying Peak Days
- Identifying VIP and Priority Flights
- Total Numbers of Bags
- Expected PAX Numbers
- Best Known PAX & Bag Numbers
- Closing Types
- Create Multiple Copies in one Go
- Visualize Background Solver Time Window
- Chart Snapshot
- Template Look-up Table also for Planning

Work in progress

- KPI based planning
 - Maximize PAX on contact stands
 - Maximize contact rate
 - Minimize Groundmovements
 - Minimize Transfer Times
- Jump to Areas

- Moved Mode



Thank you!

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Alarm Based Check-List

Benefits

- supports defining and triggering alarm and creating check lists including alerting

AOS Extension

- In the Alert Configuration screen new alarm types
 - Alarm Type – MANUAL & TASK
 - Tab Folder: Task Assignment
- Flight Grid Services
 - Create Arrival Alarm
 - Create Departure Alarm
- Result for Acknowledgement in Daily->Alarms

The screenshot displays the 'Alert Configuration' window. The main table lists alarm types with columns for Alarm Type, Category, Severity, Description, Area, Query, Active?, and Schedule. A row for 'Sick Person on Board' is highlighted, with its 'MANUAL' category circled. Below this, the 'Task Assignment' tab is active, showing a 'Task Content Template' and a list of 'Assigned Tasks' including 'Call Emergency Doctor' and 'Call Rescue Team'. To the right, a 'Placeholder' table lists values like Flight Number, SIBT/SOBT, Registration, etc. At the bottom, a flight grid shows a 'Fire alarm in aircraft UK411' event, with a 'Create Arrival Alarm' button circled. An 'Info' dialog box is also visible, showing details for the fire alarm.

Alarm Type	Category	Severity	Description	Area	Query	Active?	Schedule
REF01	FIXED	3	Create new Stand	REF		<input checked="" type="checkbox"/>	
SEASON_IMPORT_FAILED	FIXED	1	Errors detected while importing a new seasonal flight schedule	ACL		<input checked="" type="checkbox"/>	
SEASON_SRV_IMPORT_FAILED	QUERY	3	Alarm is generated if no season schedule, imported by the ACL ser...	ACL	SELECT TRUNC(SYSDATE-1),...	<input checked="" type="checkbox"/>	0 5 ***
SITA_OFFLINE	QUERY	3	No SITA Messages received within the last X (OP_MaxSITAInactiveTi...	OPS	SELECT SITAOFF[TO_CHAR...	<input checked="" type="checkbox"/>	0.30 ****
Sick Person on Board	MANUAL	3		AOCC		<input checked="" type="checkbox"/>	
UnprocessedFUM	QUERY	1	Raises an alarm if a FUM message could not be assigned to a flight.	CDM	SELECT PAA_IDSEQ, PAA_A...	<input checked="" type="checkbox"/>	*1/2 ****

Placeholder	Displayed Value
(0)	Flight Number
(1)	SIBT/SOBT
(2)	Registration
(3)	Origin/Destination
(4)	Previous/Next
(5)	Stand Arrival/Departure
(6)	Current Stand
(7)	Gate list
(8)	Counter list (Dep only)
(9)	Passenger number
(10)	Number of PRM

Type	Reference	Area	Severity	Content	Assigned	Received
Fire alarm	UK411	AOCC	3	Fire alarm in aircraft UK411 - positioned at stand 33	06/07/21 19:11	06/07/21 19:11
Fire alarm	UK411	AOCC	3	Fire alarm in aircraft UK411 - positioned at stand 33	06/07/21 19:12	06/07/21 19:12

Fixed Timeline in Gantt Chart

Benefits

- *keep relevant Gantt chart area always in focus*

AOS Extension

- Use to enable or disable fixing the current timeline within the Gantt chart
- Number of minutes before & after timeline are configurable

