oases
CUSTOMER EVENT
PRODUCT ROAD MAP
Adam Frost, Product Manager

Contents

- Product Vision
- Product Strategy
- Long-term roadmap
- Roadmap
- Development

Vision

Aircraft maintenance and compliance will be safe and efficient

Mission

To efficiently capture aircraft maintenance and compliance data and transform it into accessible data and actionable information

Vision

- Cloud-based system utilising web and mobile technologies
- Digital & Paperless
- Exploit the capabilities of OASES Web and OASES Mobile
- Make your data available as information through the software and as data through APIs and BI Tools

Vision

- Cloud-based system utilising web and mobile technologies
  - Users can access OASES anywhere they have an internet connection
  - Out-of-the-box access to OASES Web, OASES Mobile and others
  - Version compatibility between Web, Mobile & Desktop
  - Easier to interface with other business systems
  - Improved support access for troubleshooting
  - Removes management overhead for server hardware, operating systems and backups
  - Secure
  - Access to our UAT system
  - User manager

Vision

- Digital & Paperless
  - Capture data at the point of creation (fully auditable)
  - Fewer errors due to transposition/ability to validate entered data
  - Validation of data at creation
  - Timeliness
  - Share data and reports electronically

  - Interface with external data sources via APIs (for real-time information)

  - Digital processes (with key measurements)
  - Easy to measure process performance
  - Can integrate additional information that wouldn’t be possible with paper
  - Removes the need for document control/page revisions

Vision

- Exploit the capabilities of OASES Web and OASES Mobile
  - Mobility – access OASES at the front line or out of the office
  - Device agnostic – everyone has a browser
  - Has current technological capabilities
  - Faster development

Product Strategy

Vision and Roadmap

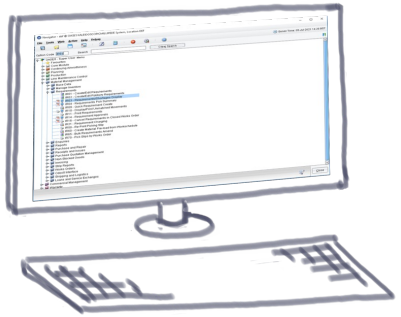
Product Strategy

- All significant development will be done in Web and Mobile using the OASES Cloud platform.

- Gradually, existing OASES Desktop functionality will be replaced by improved Web and Mobile features.
  - Identify areas of Desktop functionality where there are longstanding pain points or outdated practices being supported and ensure these are addressed as part of the new development.

  - Initially focus on Line Maintenance and Production then move on to Materials, Planning and Continued Airworthiness processes.

Product Strategy



desktop

mobile

oases cloud

web

techlog

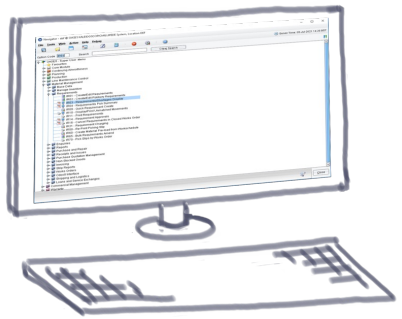
Product Strategy

- Data warehousing / data lake to provide aggregated data for monitoring and reporting.
- BI tools to provide interactive dashboards and reports.
- APIs will be made available for customers to integrate with other company systems.

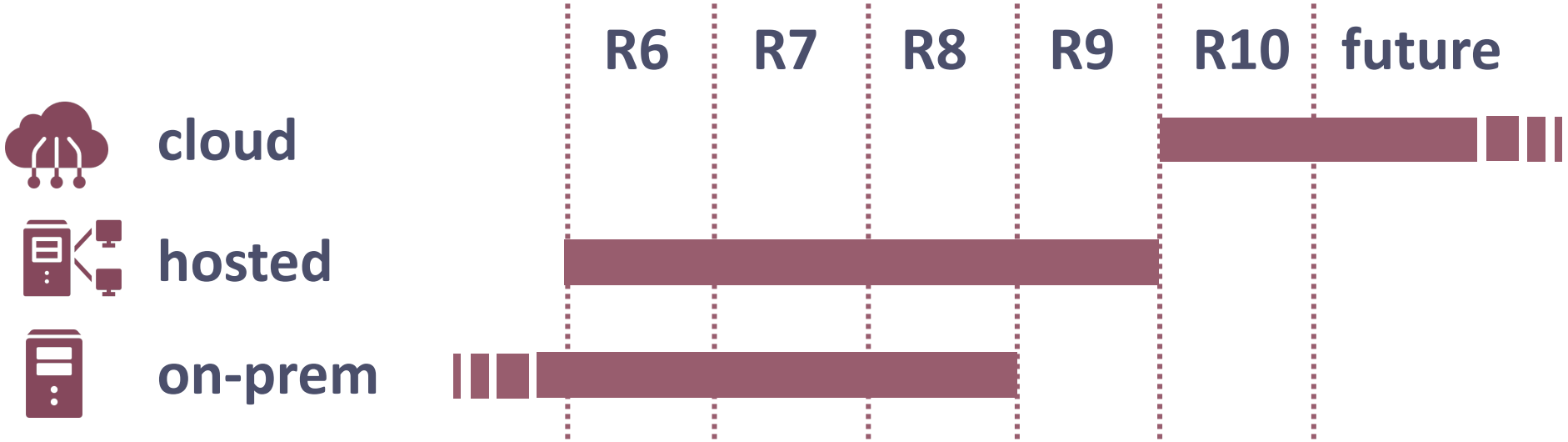
Long-term roadmap

Vision and Roadmap

Long-term Roadmap



desktop



Long-term Roadmap

- Production
- Materials
- Planning
- Technical Records
- Airworthiness

Long-term Roadmap

Production

- Furthest away from the state of the art – paper-driven process
- Opportunities to exploit available electronic data
  - Manuals
  - CAMO systems
  - Referencing challenges
  - Removal of duplicate entry

Long-term Roadmap

Materials

- Covers most needs but
- Fundamentally built around single transactions
  - No bulk transactions
  - Doesn’t support workflows

Long-term Roadmap

Planning

- Good coverage of requirements but
  - Forecast performance makes real-time forecasting cumbersome
  - Need to have more flexibility in scheduling components and tasks duplicated across zones.
  - Very much designed for heavy maintenance checks.

Roadmap 2022/23

Vision and Roadmap

Roadmap

- Serviceable Label
- Damage and Repair
- Pick Slip

- AMP Task export/update/reimport

- Digital workcards and WIP management
- Shift management & resource planning
- Materials Desk
- Workshops

Roadmap

Serviceable Label

- To provide a generic serviceable/unserviceable labels
- Label and A4 version
- Remove the need for system printing

Roadmap

Damage and Repair

- To improve the overall performance of DM10 option
- Update reporting to provide diagrams for visible damage and open damage

Roadmap

Pick Slip

- To update the picking process to remove paper/email as the primary driver of the process

Roadmap

AMP Task export/update/reimport

- To improve the task import to also allow existing data to be exported
- User can bring the data up to date using Excel functions
- Import the new revision into OASES, whilst retaining workcard numbering

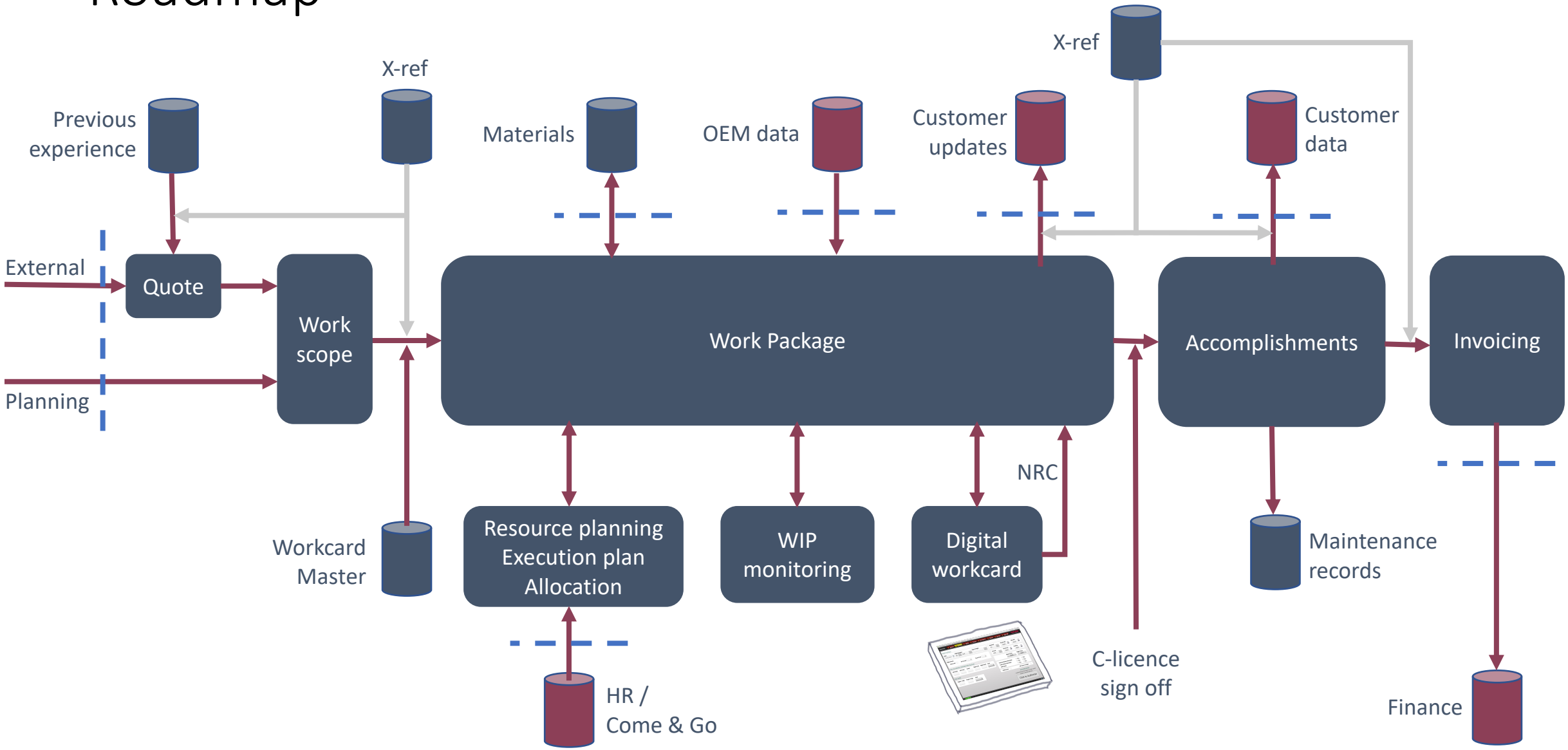
Roadmap

Digital workcards

To digitise the hangar maintenance process

- Onboard customer data electronically
- Supplement with customer workcards if required
- Interface with manufacturer documentation
- Monitor work in progress
- Integrate time bookings
- Integrate material requirements
- Report status to customer

Roadmap


X-ref
X-ref
Previous experience
Materials
OEM data
Customer updates
Customer data
External
Quote
Work scope
Work Package
Accomplishments
Invoicing
Planning
NRC
Workcard Master
Resource planning
Execution plan
Allocation
WIP monitoring
Digital workcard
Maintenance records
C-licence sign off
HR / Come & Go
Finance

Future Development

Vision and Roadmap

Future Development

Ideas Portal

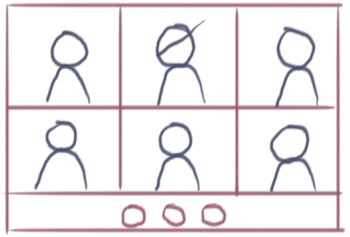
ideas.oases.aero

Future Development

Ideas Portal

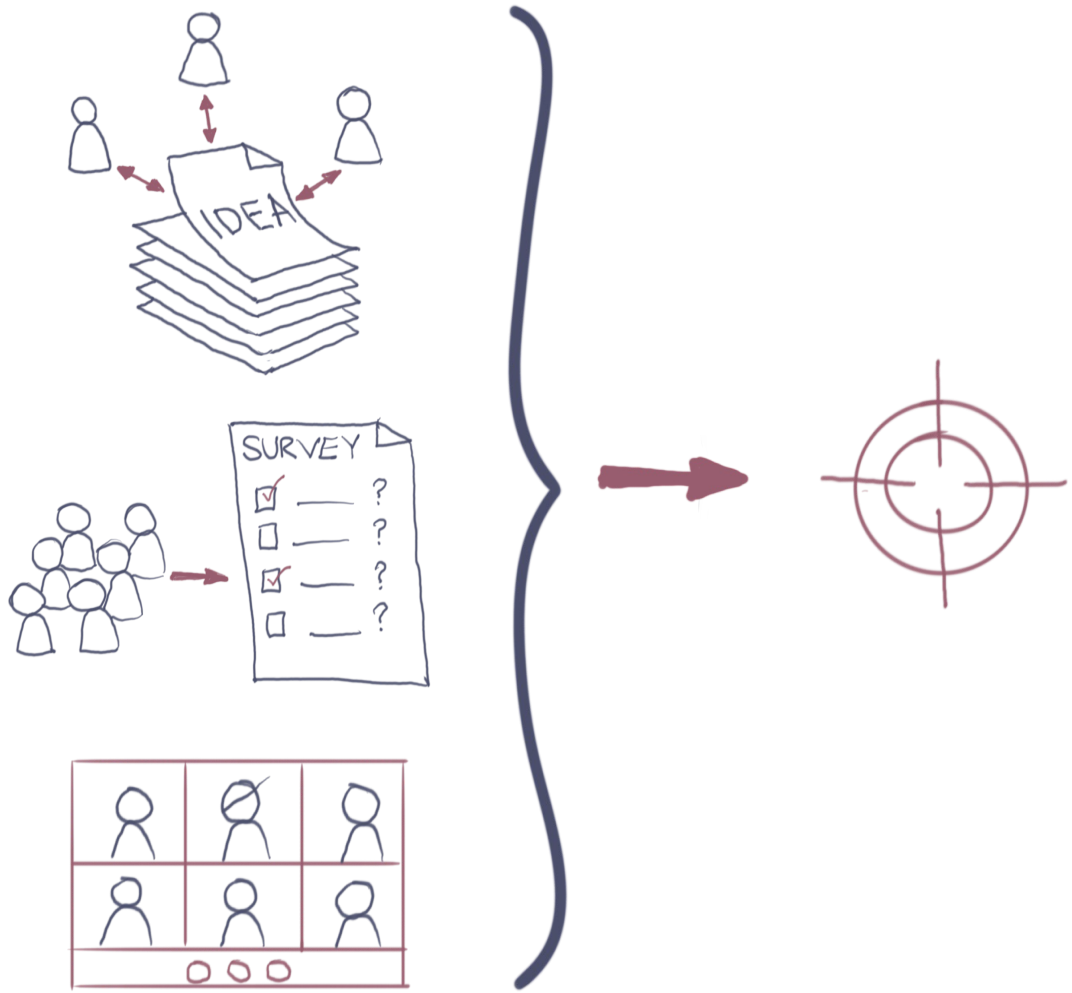
ideas.oases.aero

User surveys



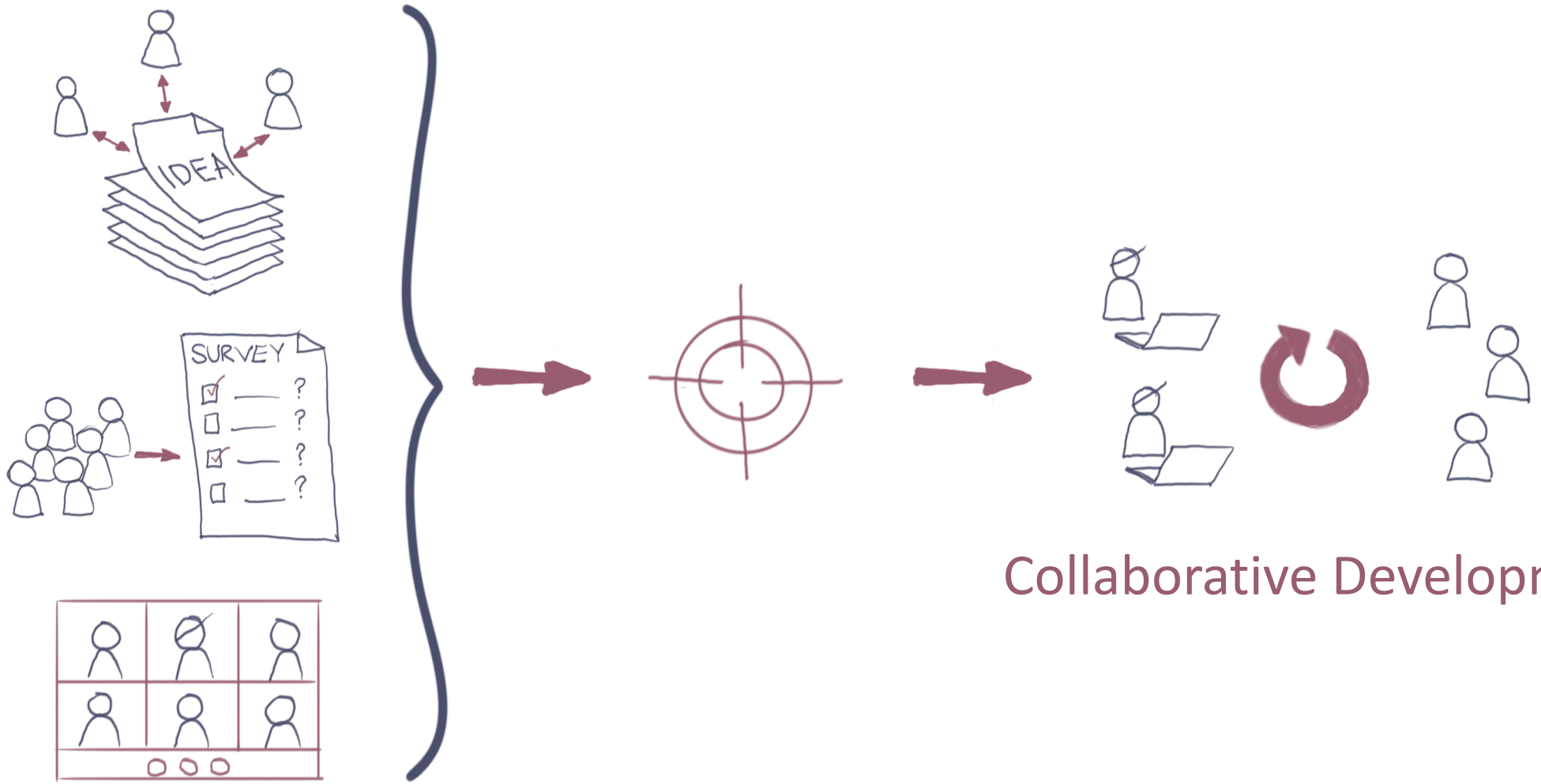
Specialist workshops

Future Development



Moves us towards our vision

Future Development



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CUSTOMER EVENT
PRAGUE 2022
Adam Frost, Product Manager

Product Round-up

Contents

- Shipping
- Unused Parts
- Customs Tracking
- Authorised Release Certificate
- Maintenance Control

Shipping

Product Round-up

Shipping

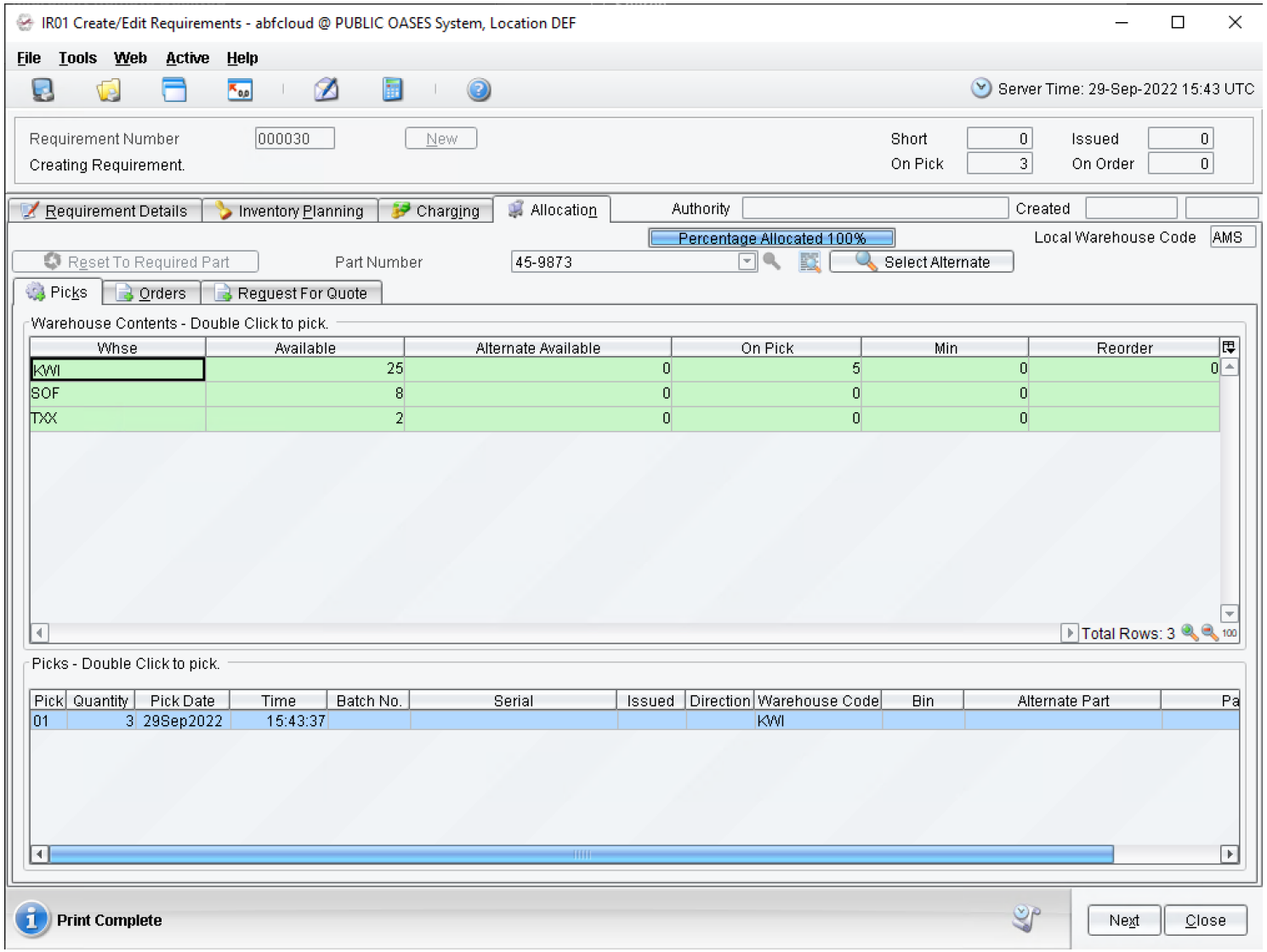
Items became stuck in transit

- Prevent issuing items from a transit location
- Stock is returned to original bins if a shipping demand is cancelled

Shipping

- Changing the requirement quantity now provides a popup to tell the user what effect this will have on existing demands and shipments
  - Picks will be deleted
  - Demands will be deleted
  - Demand will be removed from incomplete shipments

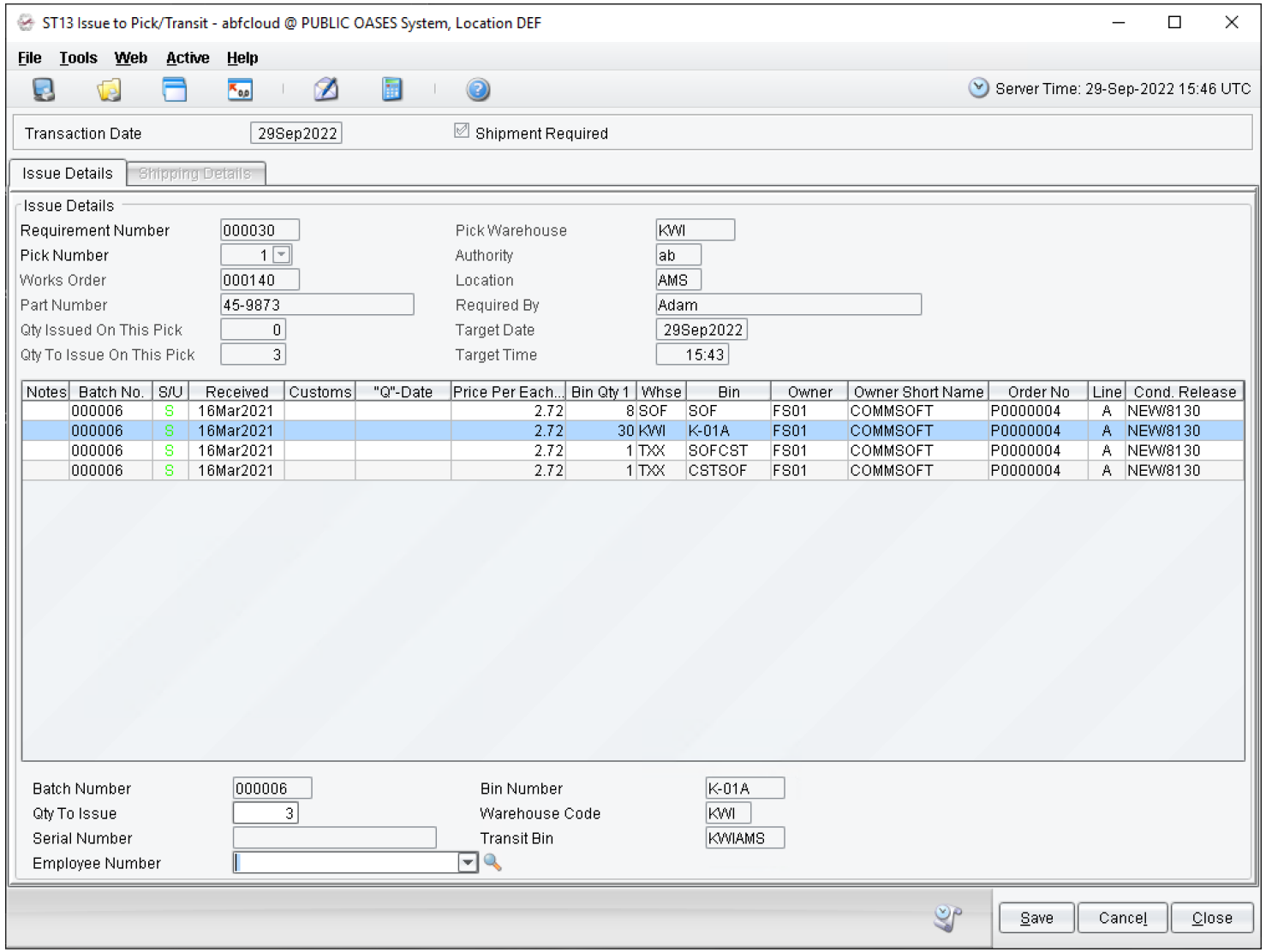
Shipping


IR01 Create/Edit Requirements - abfcloud @ PUBLIC OASES System, Location DEF
File Tools Web Active Help
Server Time: 29-Sep-2022 15:43 UTC
Requirement Number 000030 New
Creating Requirement.
Short 0 Issued 0
On Pick 3 On Order 0
Requirement Details Inventory Planning Charging Allocation
Authority Created
Percentage Allocated 100%
Local Warehouse Code AMS
Reset To Required Part Part Number 45-9873 Select Alternate
Picks Orders Request For Quote
Warehouse Contents - Double Click to pick.
Whse Available Alternate Available On Pick Min Reorder
KWI 25 0 5 0 0
SOF 8 0 0 0
TXX 2 0 0 0
Total Rows: 3
Picks - Double Click to pick.
Pick Quantity Pick Date Time Batch No. Serial Issued Direction Warehouse Code Bin Alternate Part Pa
01 3 29Sep2022 15:43:37 KWI
Print Complete
Next Close

Shipping

No demand or shipment – picks are deleted

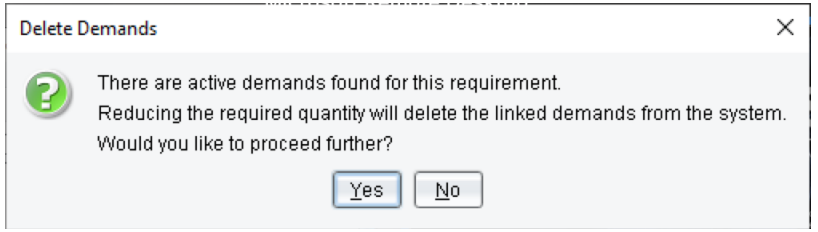
Shipping



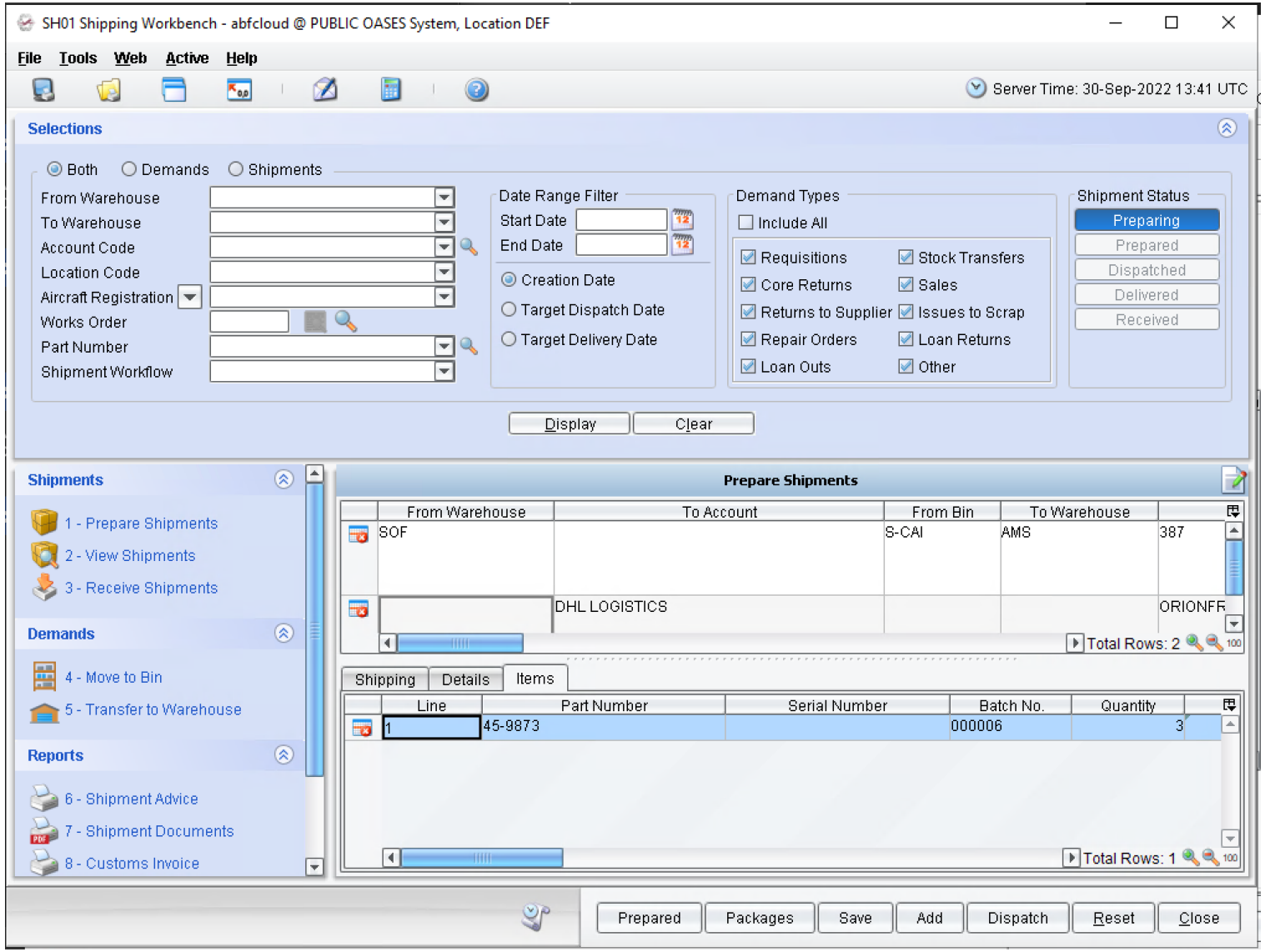
Demand created

Shipping

Picks and demands are deleted



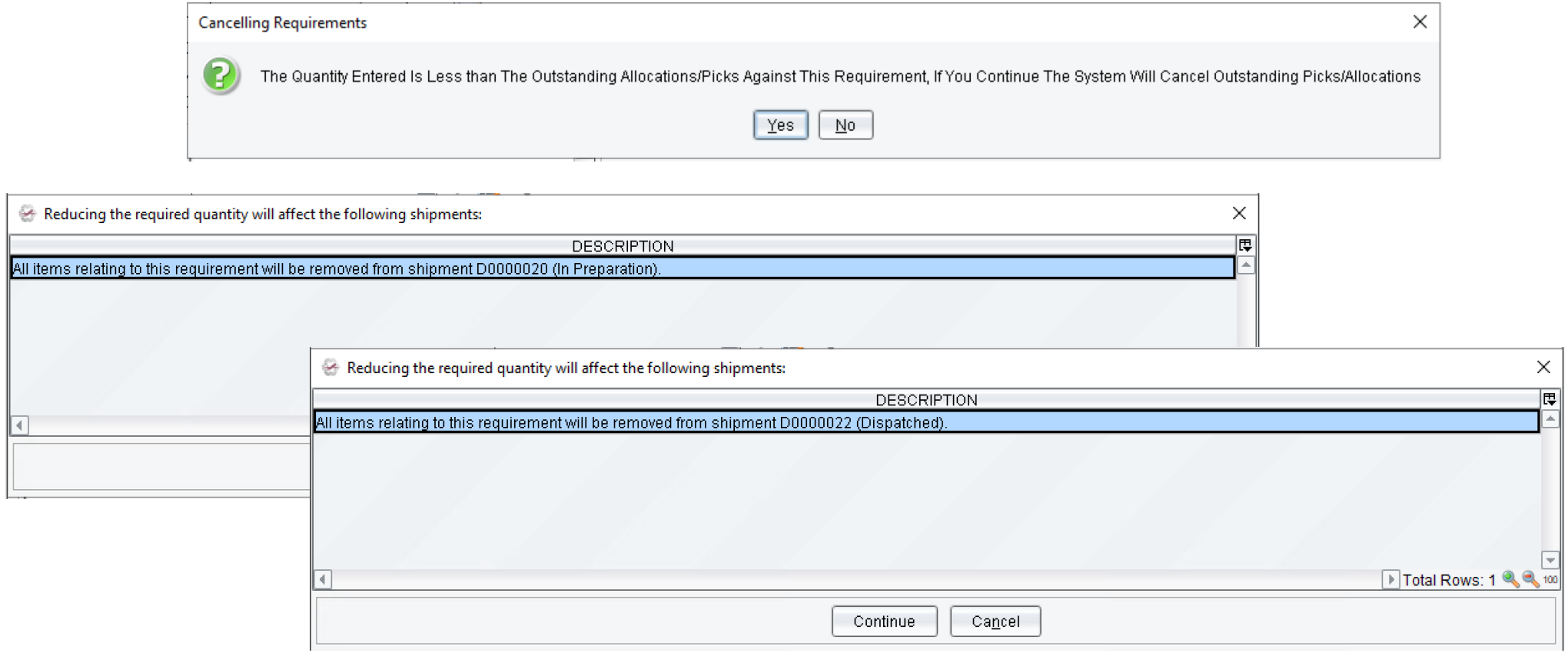
Shipping



Demand added to a shipment (Preparing status)

Shipping

Picks and demands are deleted, items removed from shipments

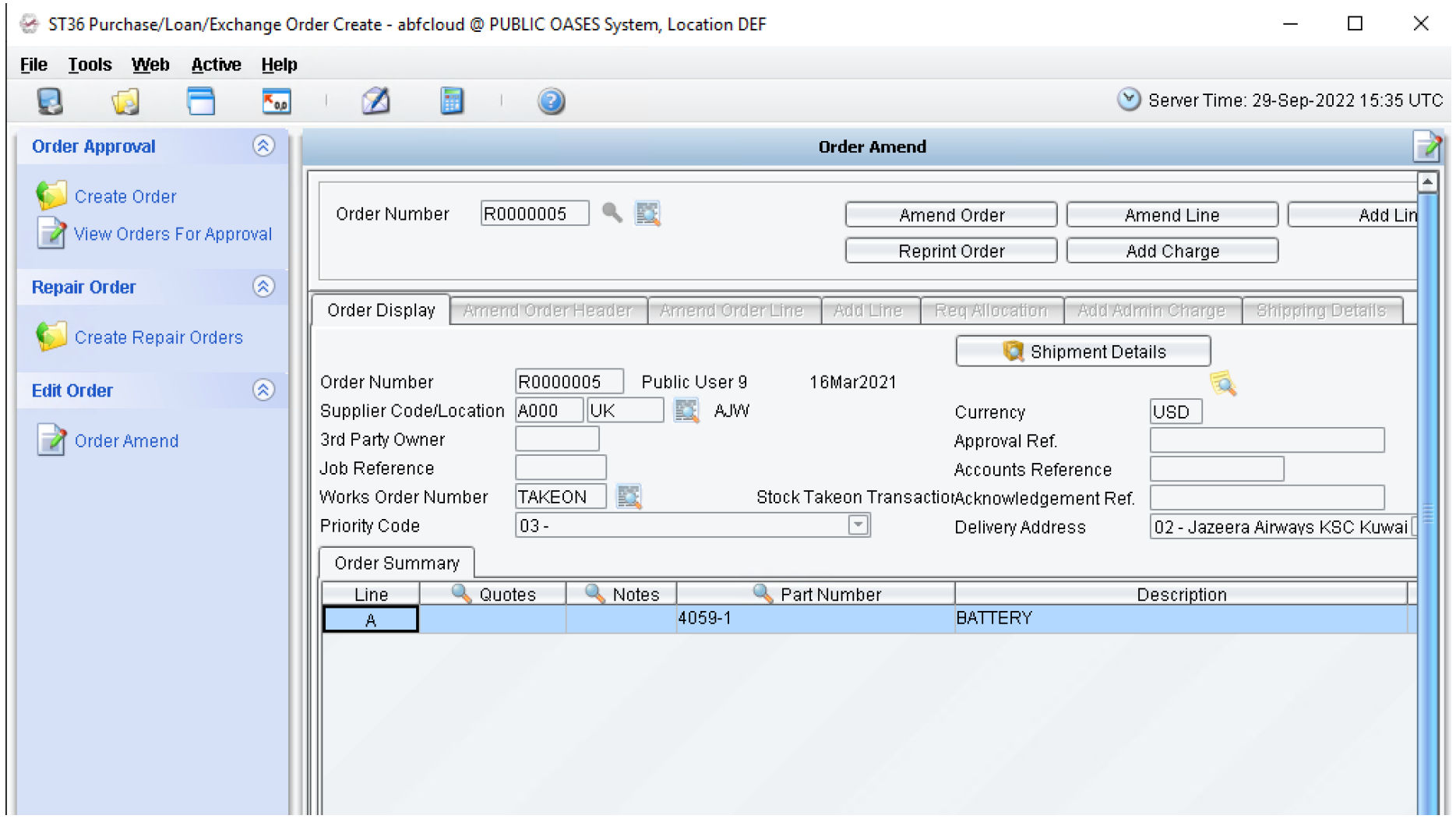


Shipping

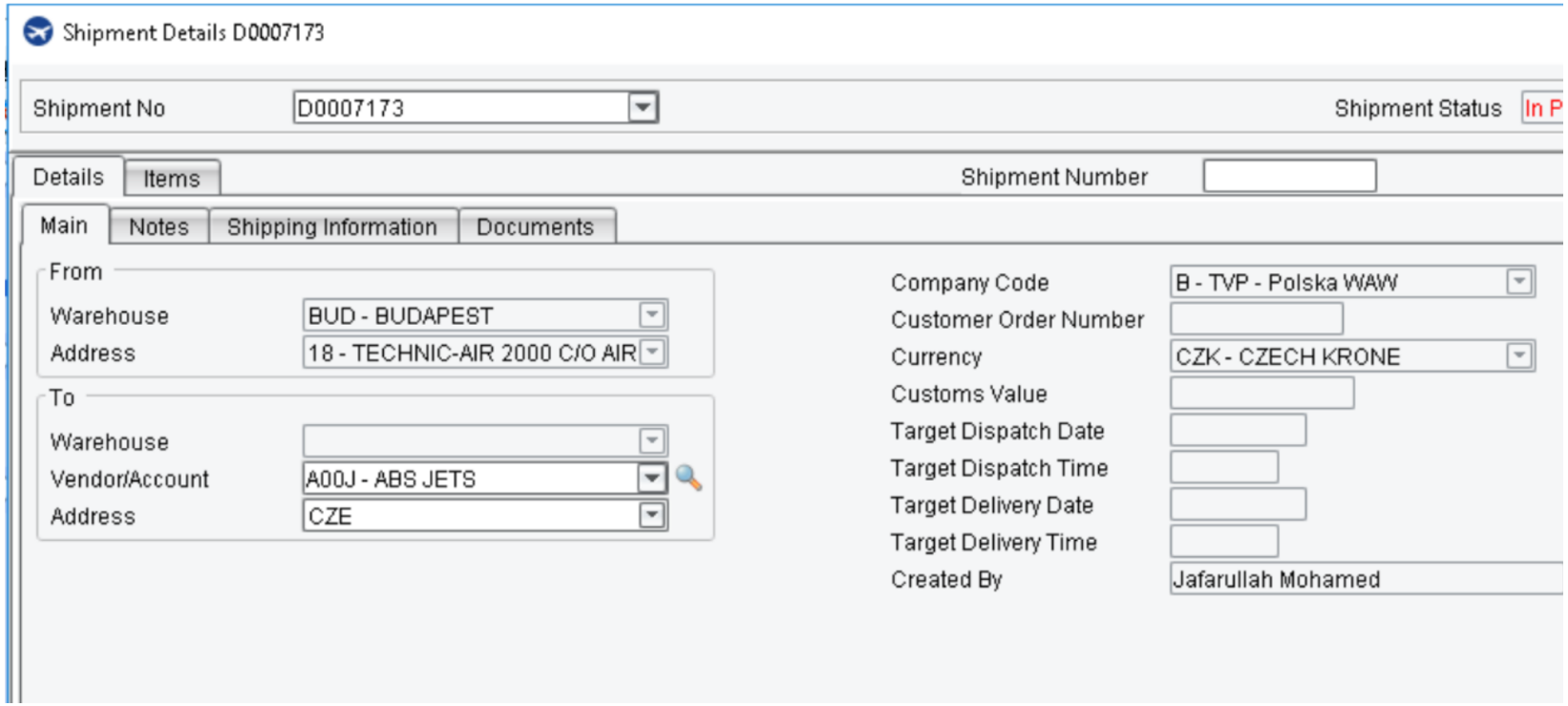
Can now change the shipping destination of a repair order

- If the vendor needs you to send the core unit to a different location for repair
- EA40 new permission – Change External Order Destination
- ST36 Order Amend – Shipping Details tab

Shipping


ST36 Purchase/Loan/Exchange Order Create - abfcloud @ PUBLIC OASES System, Location DEF
File Tools Web Active Help
Server Time: 29-Sep-2022 15:35 UTC
Order Approval
Create Order
View Orders For Approval
Repair Order
Create Repair Orders
Edit Order
Order Amend
Order Amend
Order Number R0000005
Amend Order
Amend Line
Reprint Order
Add Charge
Order Display
Amend Order Header
Amend Order Line
Add Line
Req Allocation
Add Admin Charge
Shipping Details
Shipment Details
Order Number R0000005 Public User 9 16Mar2021
Supplier Code/Location A000 UK AJW
3rd Party Owner
Job Reference
Works Order Number TAKEON
Priority Code 03 -
Currency USD
Approval Ref.
Accounts Reference
Acknowledgement Ref.
Delivery Address 02 - Jazeera Airways KSC Kuwai
Order Summary
Line
Quotes
Notes
Part Number
Description
A
4059-1
BATTERY

Shipping


Shipment Details D0007173
Shipment No
D0007173
Shipment Status
In P
Details
Items
Shipment Number
Main
Notes
Shipping Information
Documents
From
Warehouse
BUD - BUDAPEST
Address
18 - TECHNIC-AIR 2000 C/O AIR
To
Warehouse
Vendor/Account
A00J - ABS JETS
Address
CZE
Company Code
B - TVP - Polska WAW
Customer Order Number
Currency
CZK - CZECH KRONE
Customs Value
Target Dispatch Date
Target Dispatch Time
Target Delivery Date
Target Delivery Time
Created By
Jafarullah Mohamed

Shipping

- Added a new Prepared status so packing and dispatching can be managed separately
- User is warned when changing status to dispatched if a shipping reference hasn’t been added
- Can now receive shipments in Dispatched status (previously only Delivered)
- Can now add non-stock items from a commercial order

Shipping

- Shipping non-stock items is not default when issuing
- Dispatch/delivered/received date is auto populated (may be overridden)
- Search for shipments by AWB number
- Order and line numbers shown in shipping details table
- Last comment of shipment status notes shown in shipping table

Unused Parts

Product Round-up

Unused Parts

- Provides a filterable view of stock across warehouses that hasn’t moved in the last year
- Helps identify stock that should be redistributed, sold or otherwise disposed of.

Unused Parts

Drag here to set row groups

Part Number	Last Movement Date	Last Used Date	Description	Stock Group	Aircraft Type	A D
TESTKIT	03/08/2021		TESTING KIT	T001		
DK100	11/06/2021		BEACON	ROT		
DK100	10/06/2021		BEACON	ROT		
DK130	17/03/2021		BEACON	ROT		
405CH	17/03/2021		BATTERY	ROT		
BA51015-3	17/03/2021		FIRE EXTINGUISHER	ROT		
4059	16/03/2021		BATTERY	ROT		
316-6004-005	16/03/2021		BEACON	ROT		

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Customs Tracking

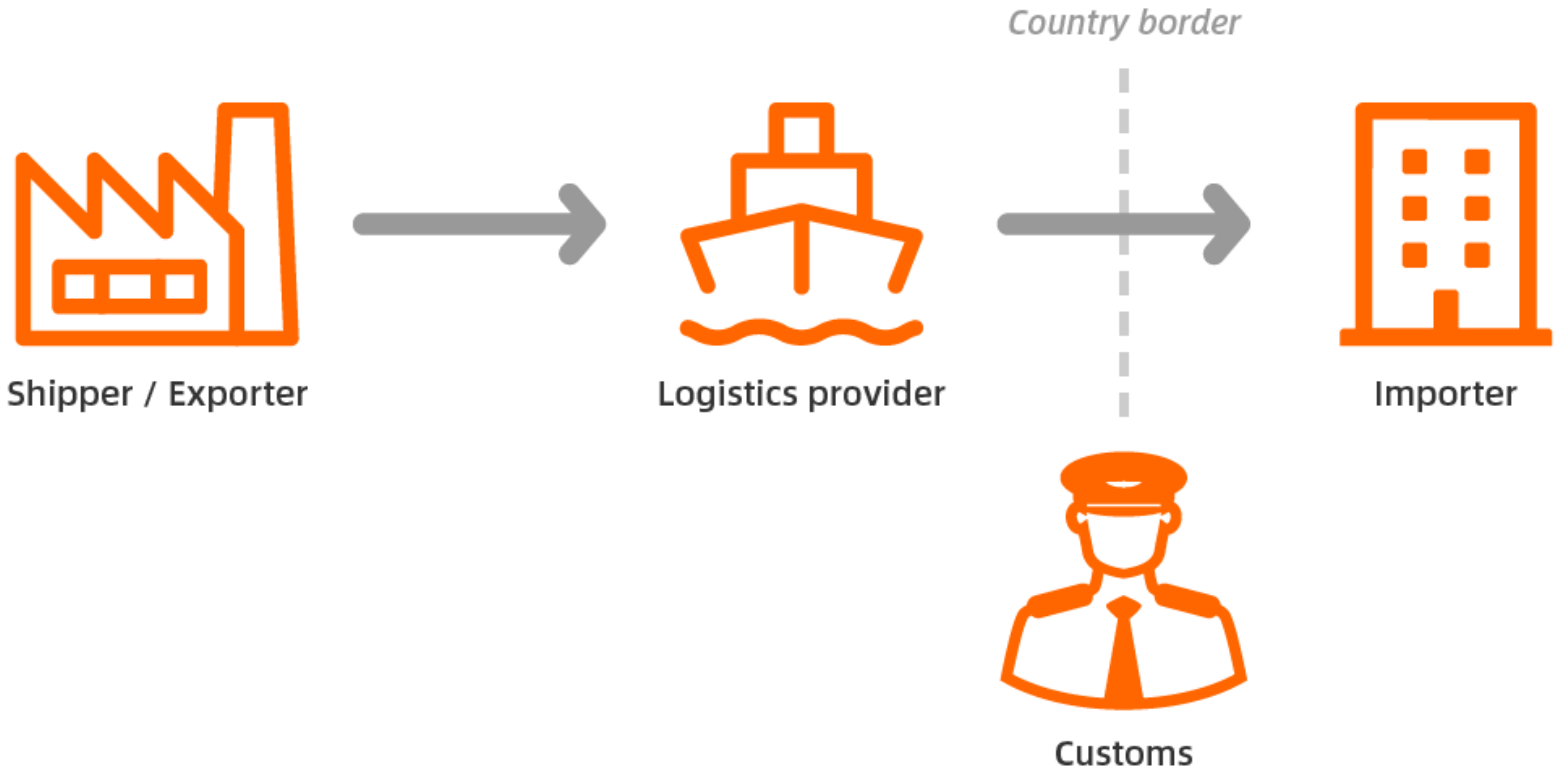
Product Round-up

Customs Tracking

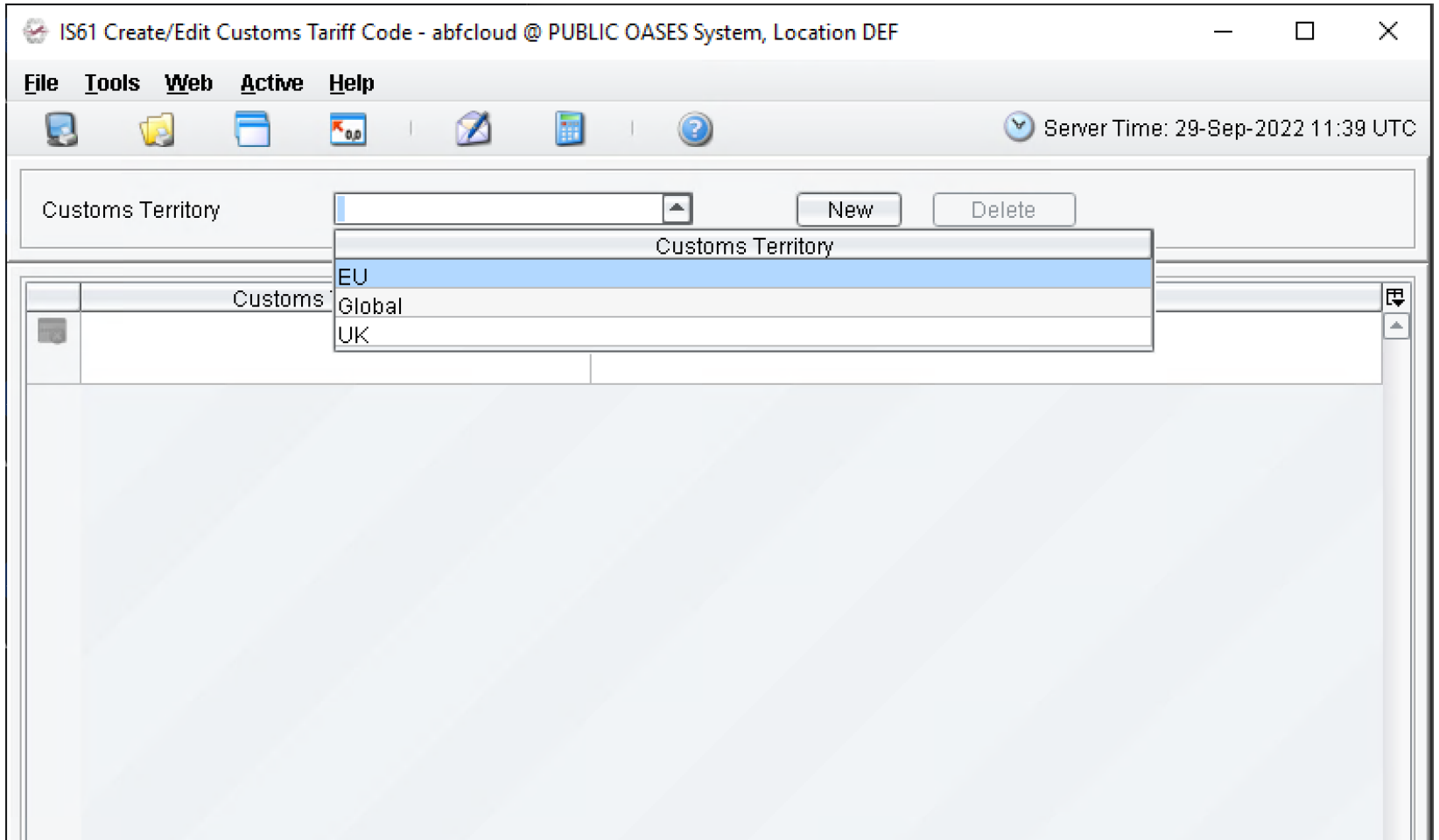
- Allows shipments across borders to be identified so that customs information – references, duty, VAT etc. can be logged against the shipment at the time the shipment is dealt with by customs

- Previously could only record customs information against the batch – ie. after it has passed customs and has been physically delivered to its destination.

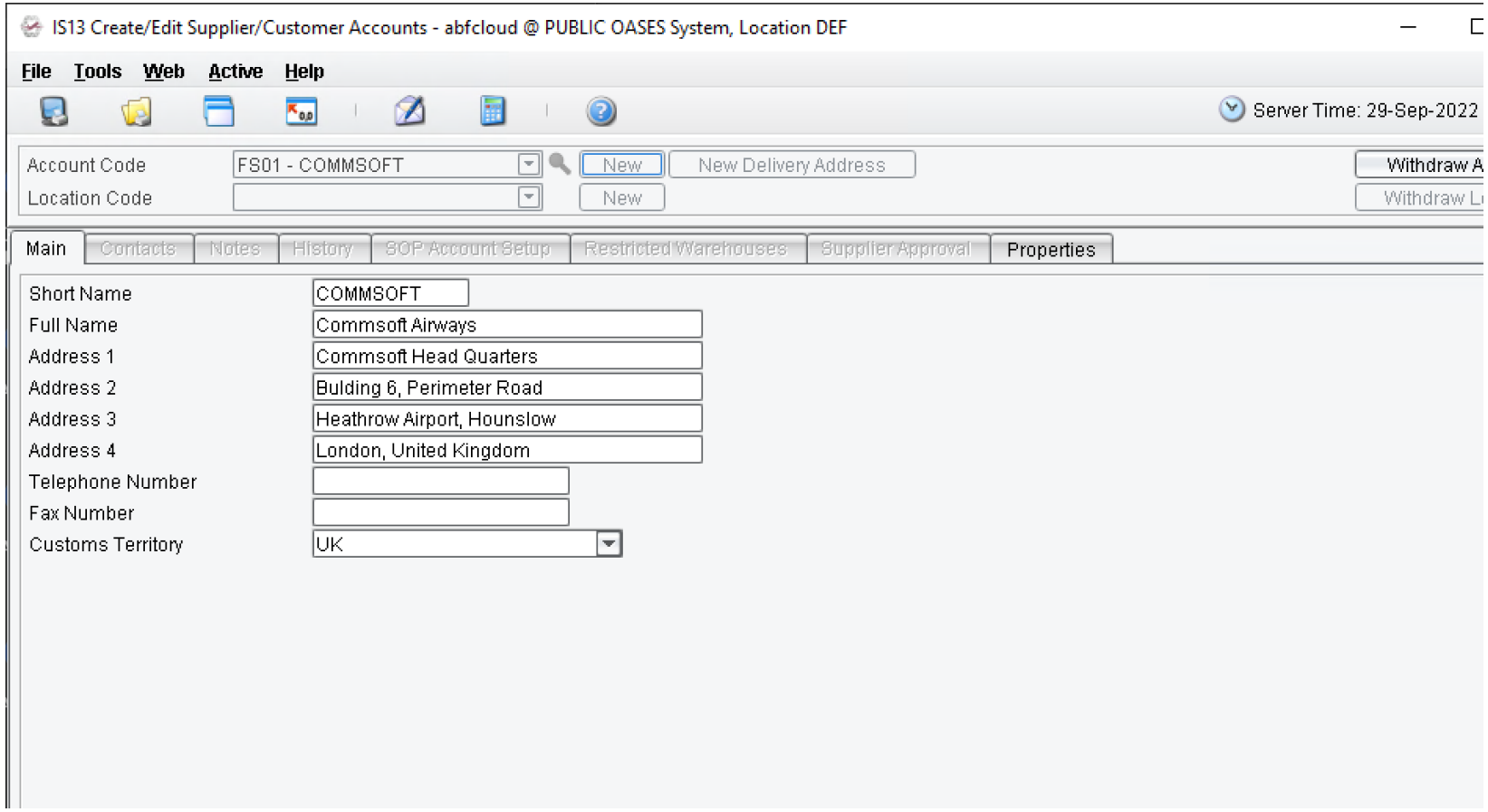
Customs Tracking



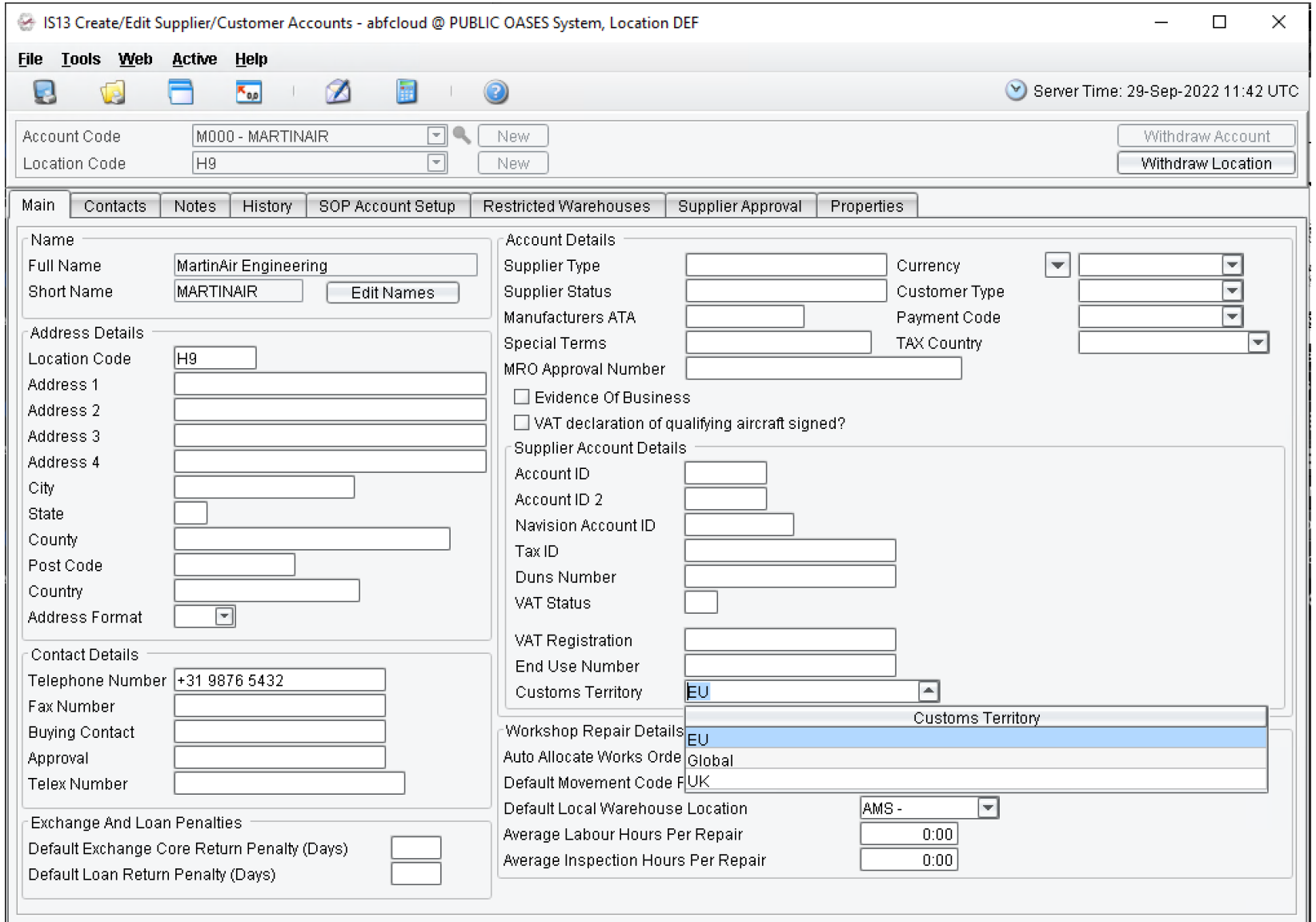
Customs Tracking



Customs Tracking



Customs Tracking



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Database: UT_OASESPUBLIC

- Dashboard
- Admin
- Maintenance Control
- Customs Tracking
- Unused Parts
- Documents
- Auth Release Certificate

API

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Customs Tracking

Customs Tracking

Start date * 22/9/2022

End date * 29/9/2022

1W 2W 4W 2M 2Y YTD

Drag here to set row groups

From Customs Territory	To Customs Territory	Order Number	Shipment Reference	Part Number	Part Description	O
EU	UK		D0000018	387	Light Bulb	
UK	EU		D0000019	45-9873	SEAL	

1 to 2 of 2 Page 1 of 1

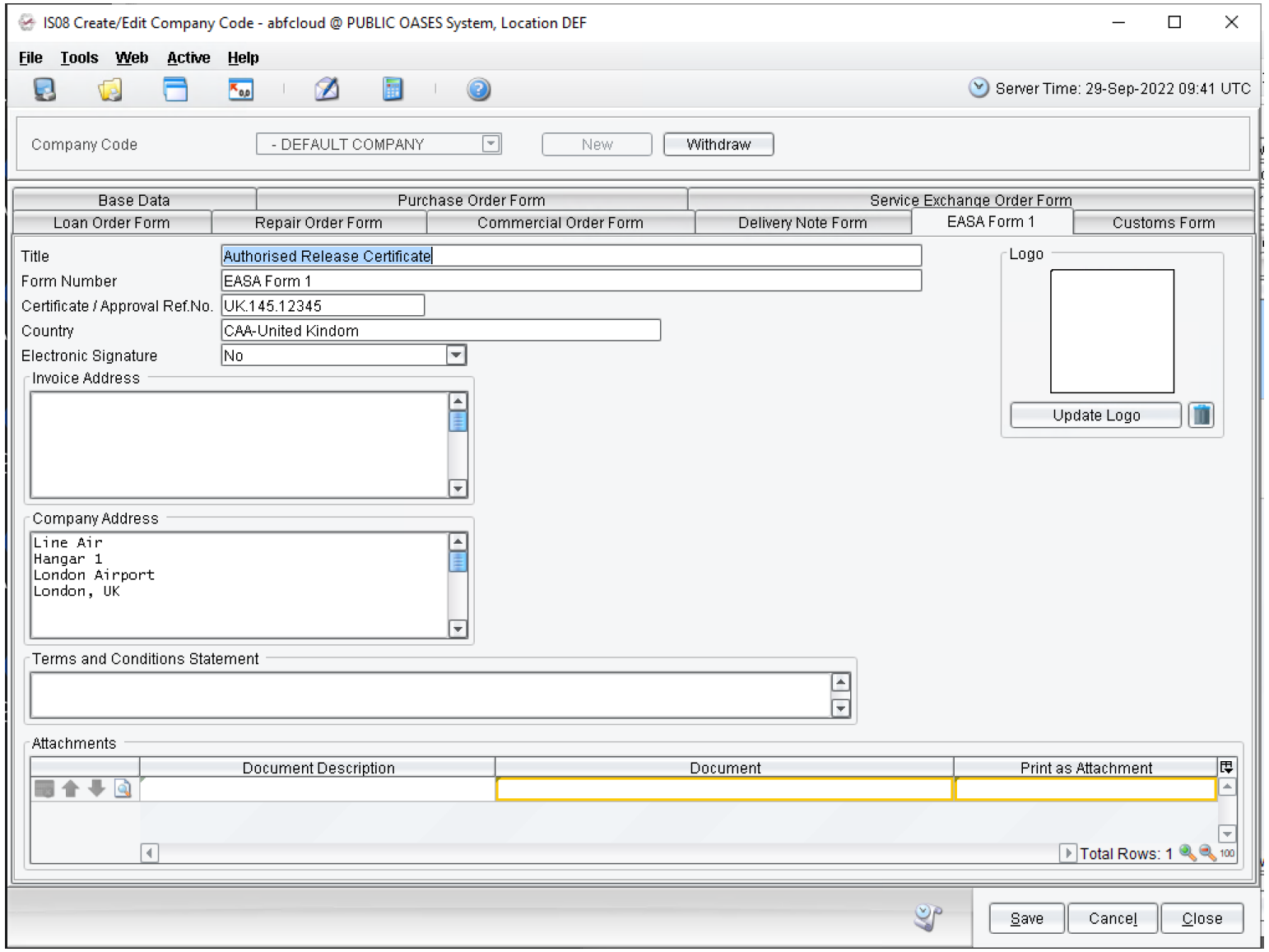
Authorised Release Certificate

Product Round-up

Authorised Release Certificate

- Previously, EASA Form 1 could only be generated as part of a shipment
- Involved stock transactions to trigger the functionality
- Too much friction
- User with correct permissions can generate a certificate
- A register of certificate numbers is retained with associated information

Authorised Release Certificate



Authorised Release Certificate

Authorised Release Certificate

Search

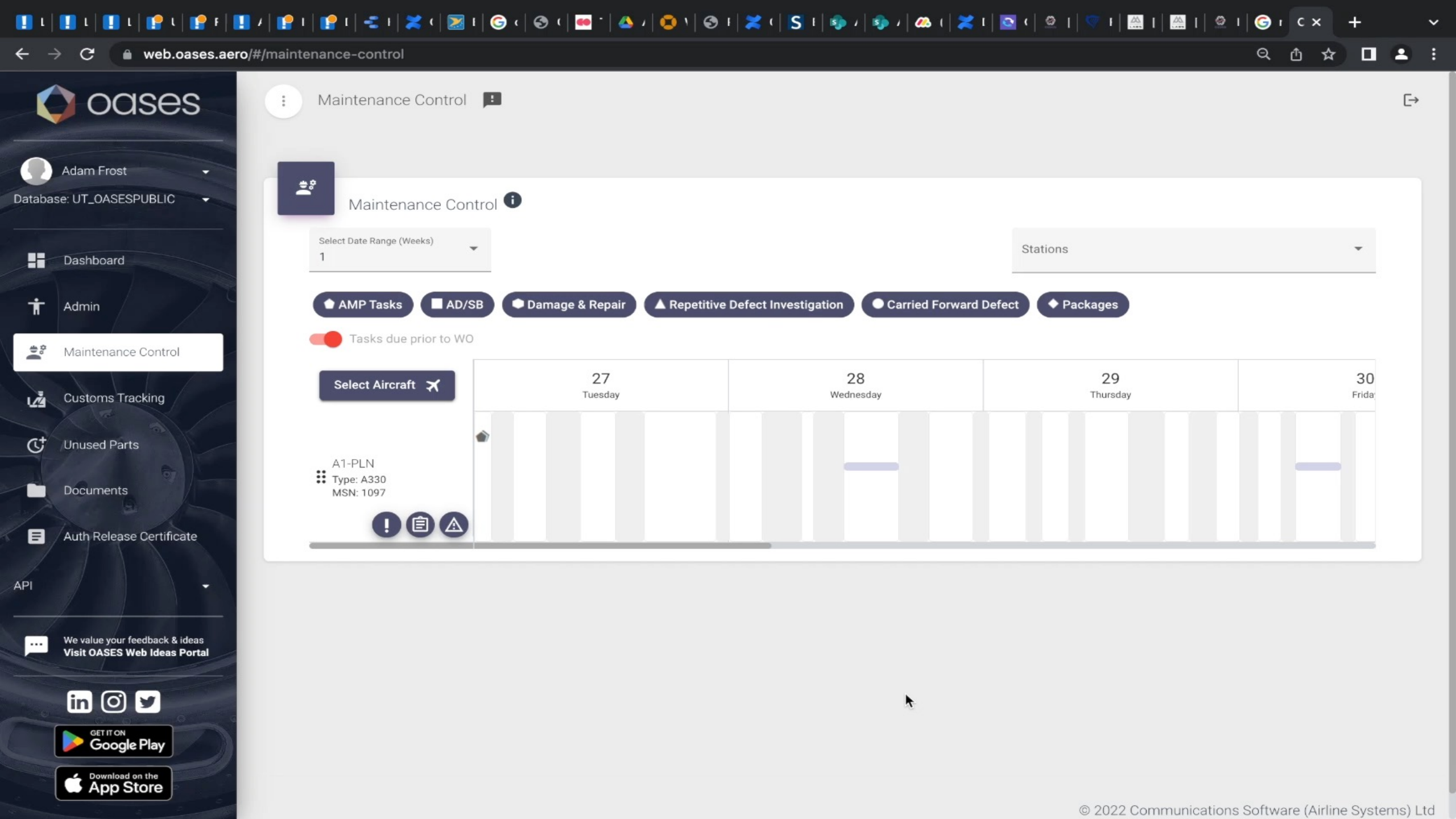
Form Tracking Number ↓	Print Status	Part Number	Serial/Batch No	Description	Work Order/Contract/Invoice	Status	Remarks	Cr
0000000219	DRAFT	Aha1234	Gh-13	Wheel Assy	TLP123	Inspected/Tested	TSN §12345	AD
0000000218	DRAFT	Aha1234	Hn-123	Wheel Assy	TLP654	Inspected/Tested	TNS 134	AD
0000000217	DRAFT	Aha1555	Ng-123	Wheel Assy	TLP12345/02	Inspected/Tested	TSN 12345...	AD
0000000216	DRAFT	Aha1555	Rn-1111	Wheel Assy	TLP 123456/01	Inspected/Tested	TSN 12345...	AD
0000000211	DRAFT	Test	Test	test	test	Overhauled	test	JC
0000000206	DRAFT	Adam	Adam	adam	adam	Inspected/Tested	rem1 rem2 ...	AD
0000000205	CANCELLED	Asd	12312	stukkende mod...	asdasd	Overhauled	lucian wat n...	LU
0000000204	DRAFT	323	123123	test on small sc...	12312312	Repaired	asdasd	LU
0000000203	DRAFT	1212	1221	asdasdad	1212	Repaired	asdasd	LU

Maintenance Control

Product Round-up

Maintenance Control

- Integrate future flight data
- Provide a view of flying vs maintenance activities
- Easily identify activities that haven’t been planned
- Monitor the maintenance plan vs operation
- Provide information required to make arrangements
- Make it easy to adjust the plan


web.oases.aero/#/maintenance-control
oases
Adam Frost
Database: UT_OASESPUBLIC
Dashboard
Admin
Maintenance Control
Customs Tracking
Unused Parts
Documents
Auth Release Certificate
API
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Maintenance Control
Maintenance Control
Select Date Range (Weeks)
1
Stations
AMP Tasks
AD/SB
Damage & Repair
Repetitive Defect Investigation
Carried Forward Defect
Packages
Tasks due prior to WO
Select Aircraft
27
Tuesday
28
Wednesday
29
Thursday
A1-PLN
Type: A330
MSN: 1097
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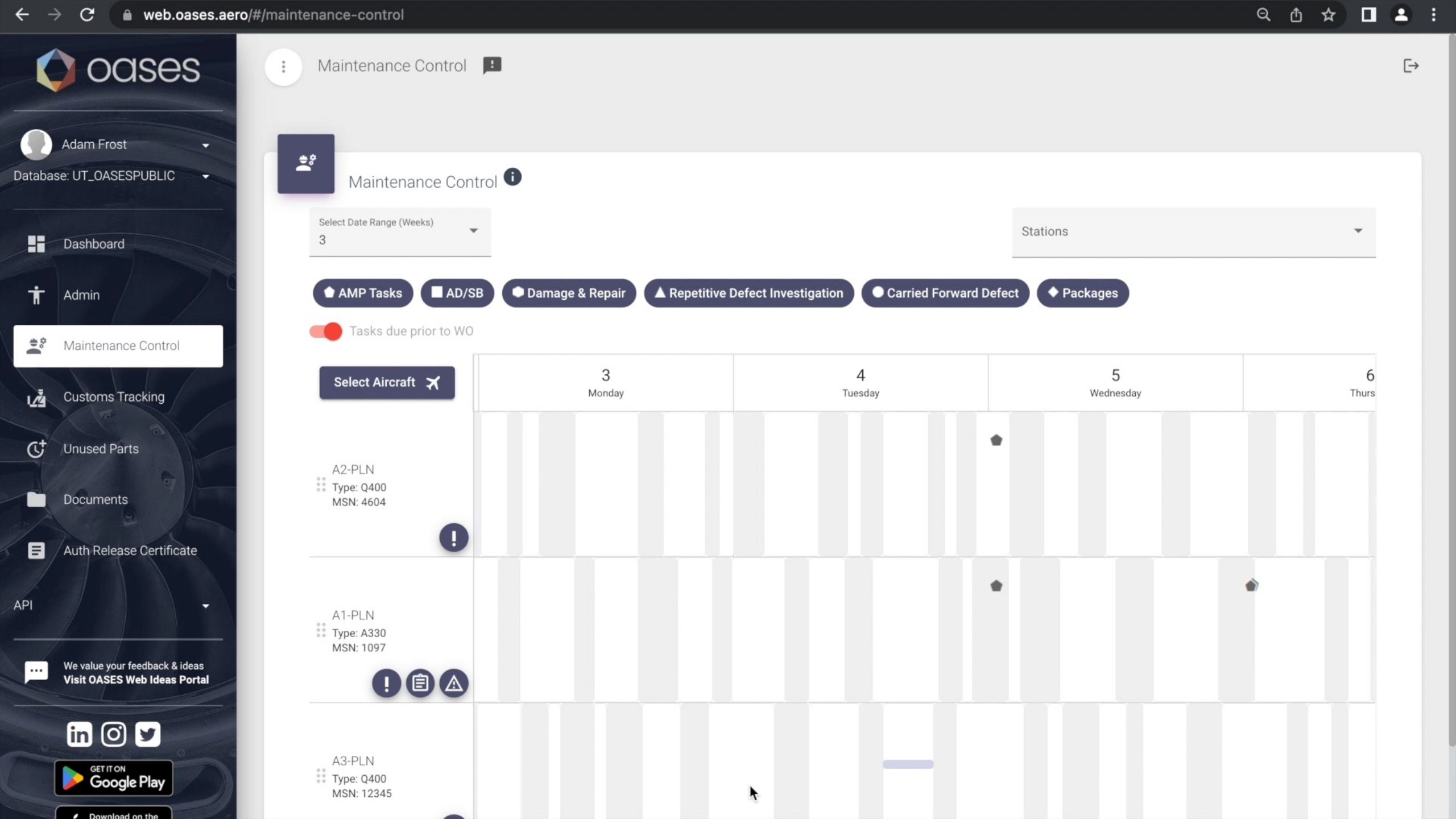
web.oases.aero/#/maintenance-control
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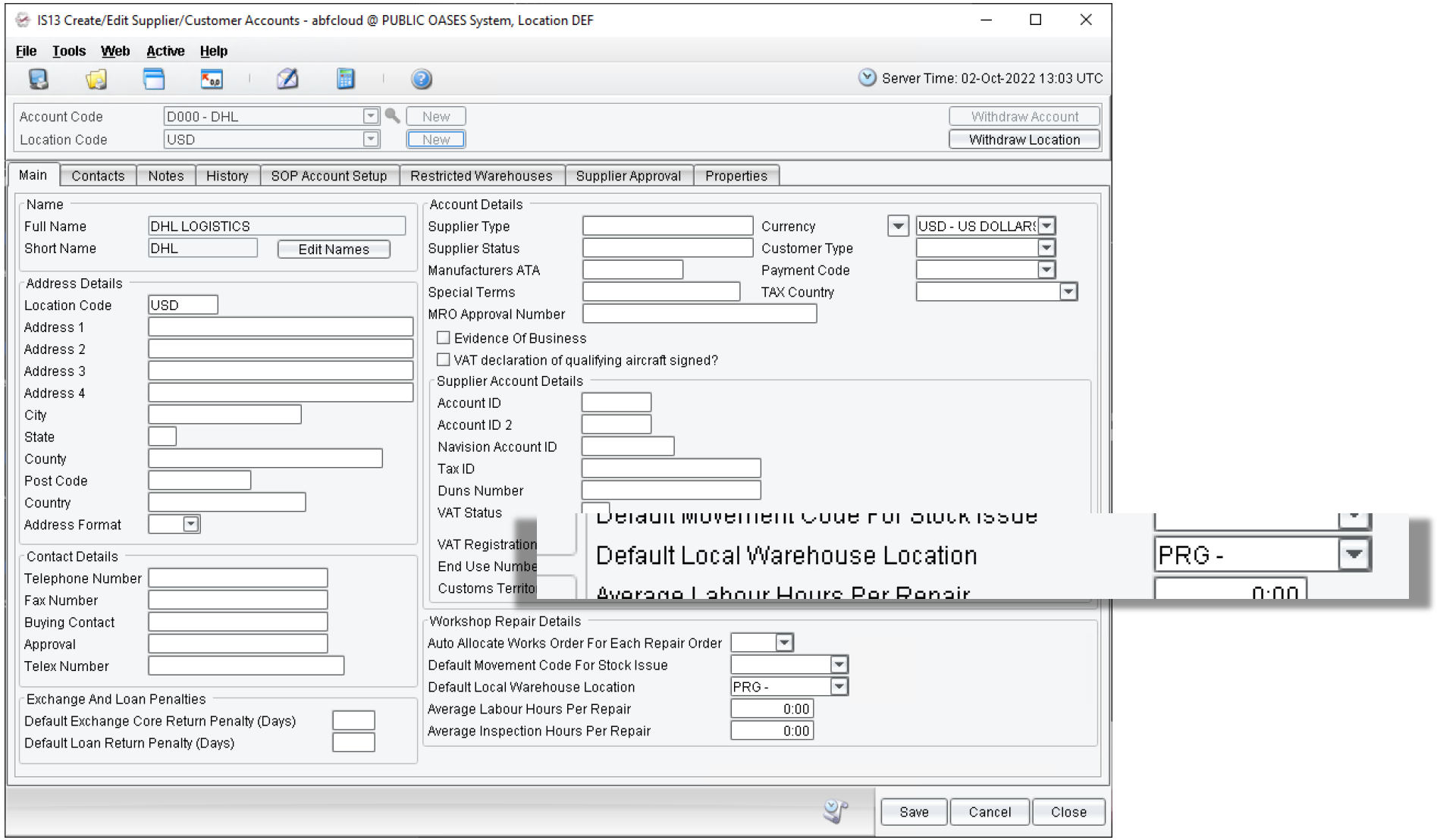
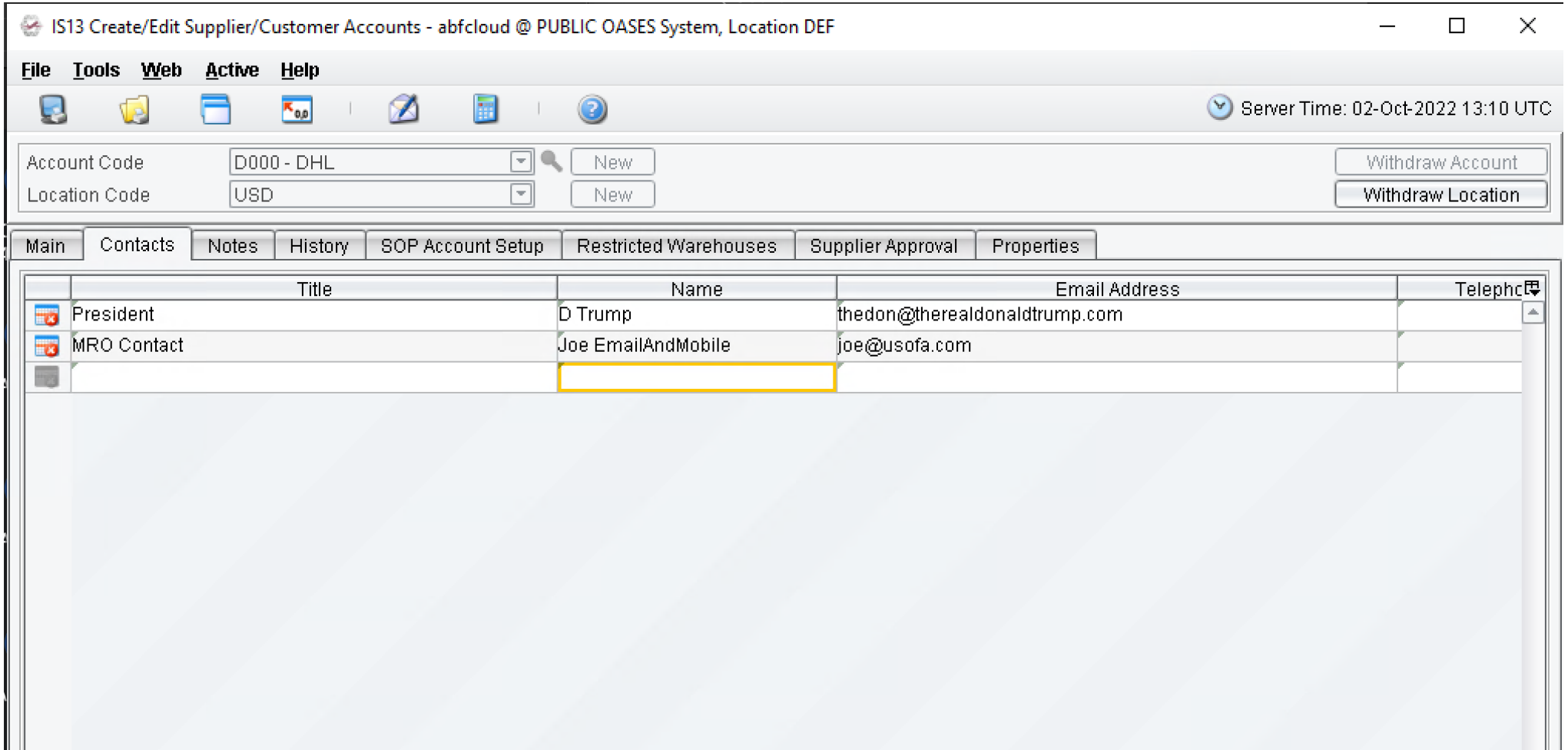
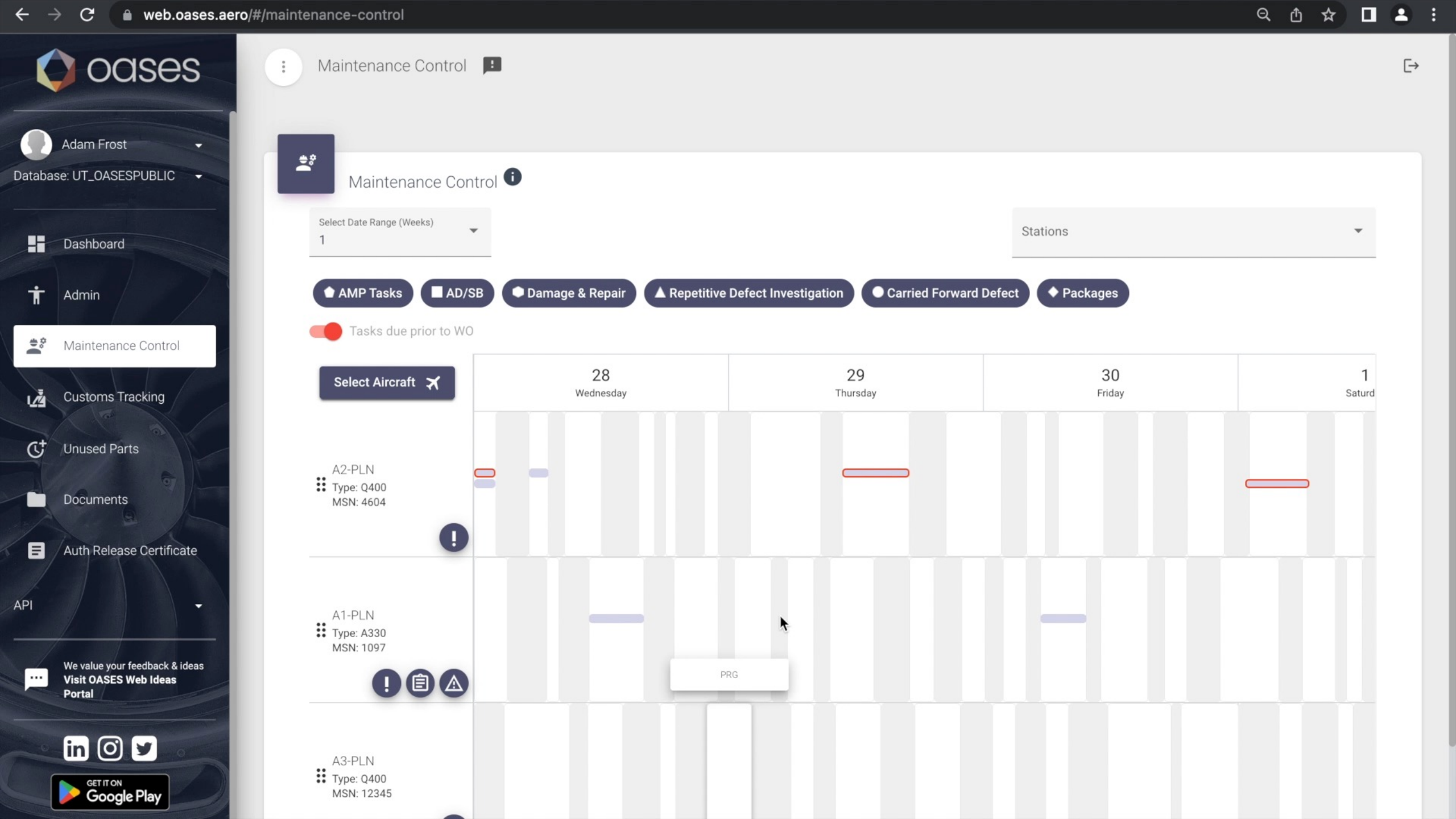
Select Date Range (Weeks)
3
Stations
AMP Tasks
AD/SB
Damage & Repair
Repetitive Defect Investigation
Carried Forward Defect
Packages
Tasks due prior to WO
Select Aircraft
3
Monday
4
Tuesday
5
Wednesday
6
Thurs
A2-PLN
Type: Q400
MSN: 4604
A1-PLN
Type: A330
MSN: 1097
A3-PLN
Type: Q400
MSN: 12345

Maintenance Control



Maintenance Control




web.oases.aero/#/maintenance-control
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28
Wednesday
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Thursday
30
Friday
1
Saturd
A2-PLN
Type: Q400
MSN: 4604
A1-PLN
Type: A330
MSN: 1097
PRG
A3-PLN
Type: Q400
MSN: 12345

Agenda – Day 1

Day 1 – Wednesday

Welcome to OASES User Group - Paul Lynch, MD OASES
Guest speaker "Conscious Aircraft"- Presentation from Dr Ip-Shing Fan, Cranfield
Morning Coffee
OASES Business Overview and Strategy – Paul Lynch
OASES Future Vision – Presentation from Boyd Pollentine, CTO Aphinity
Digital training & development – Presentation from Alessandra Palma-Tilley, Ops Director OASES

Break for lunch

13:45 OASES Product Roadmap - Presentation from Adam Frost, Product Manager OASES
15:15 Afternoon tea & coffee
15:45 OASES Partner presentations – GE Digital , OmniSMS, NVable
16:45 Day 1 Summary
17:15 Day 1 ends - drinks
19:00 River cruise with supper for attendees