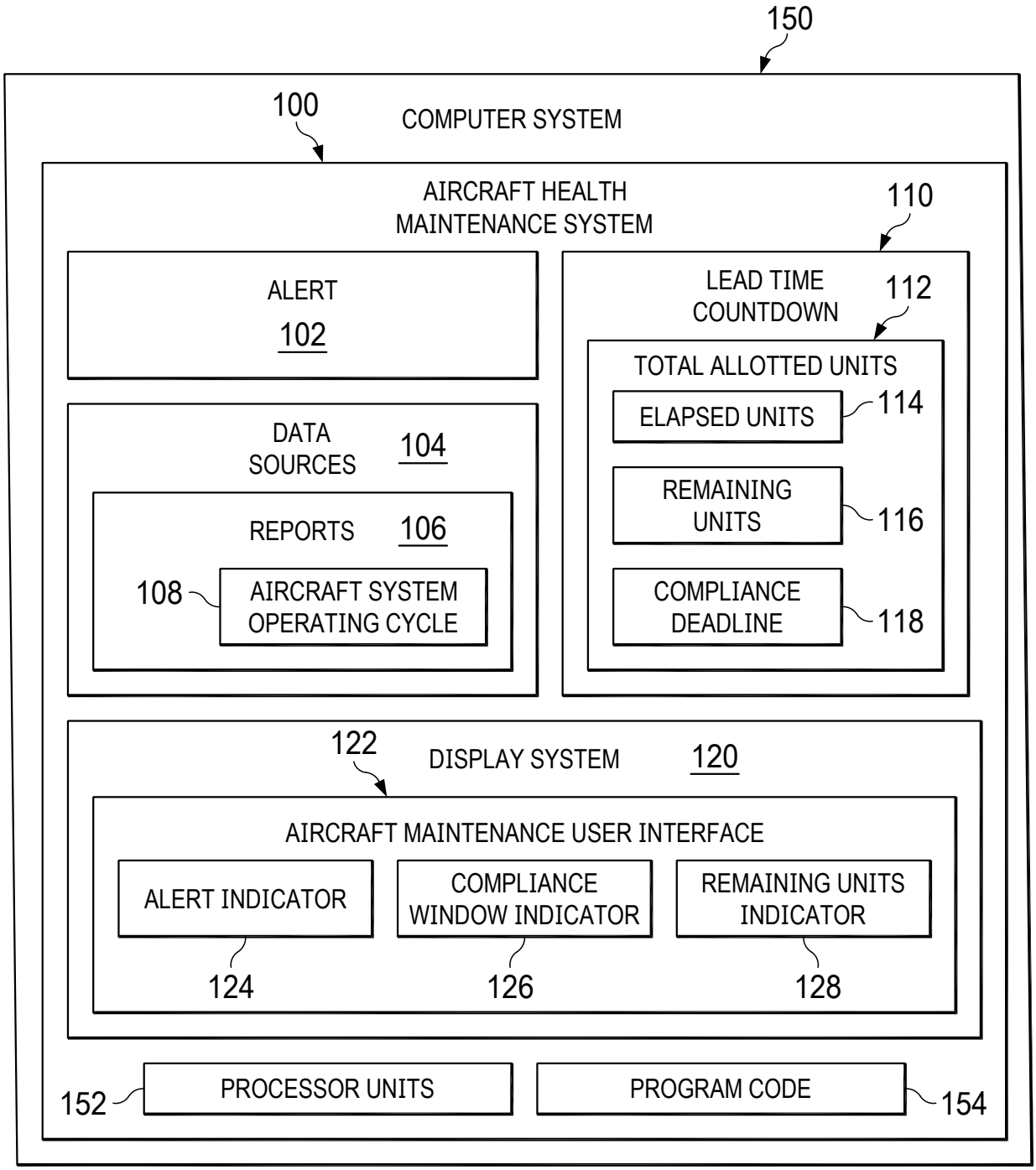

150
100
COMPUTER SYSTEM
AIRCRAFT HEALTH MAINTENANCE SYSTEM
110
ALERT
102
LEAD TIME COUNTDOWN
112
TOTAL ALLOTTED UNITS
ELAPSED UNITS
114
DATA SOURCES
104
REMAINING UNITS
116
REPORTS
106
108
AIRCRAFT SYSTEM OPERATING CYCLE
COMPLIANCE DEADLINE
118
122
DISPLAY SYSTEM
120
AIRCRAFT MAINTENANCE USER INTERFACE
ALERT INDICATOR
COMPLIANCE WINDOW INDICATOR
REMAINING UNITS INDICATOR
124
126
128
152
PROCESSOR UNITS
PROGRAM CODE
154

FIG. 1

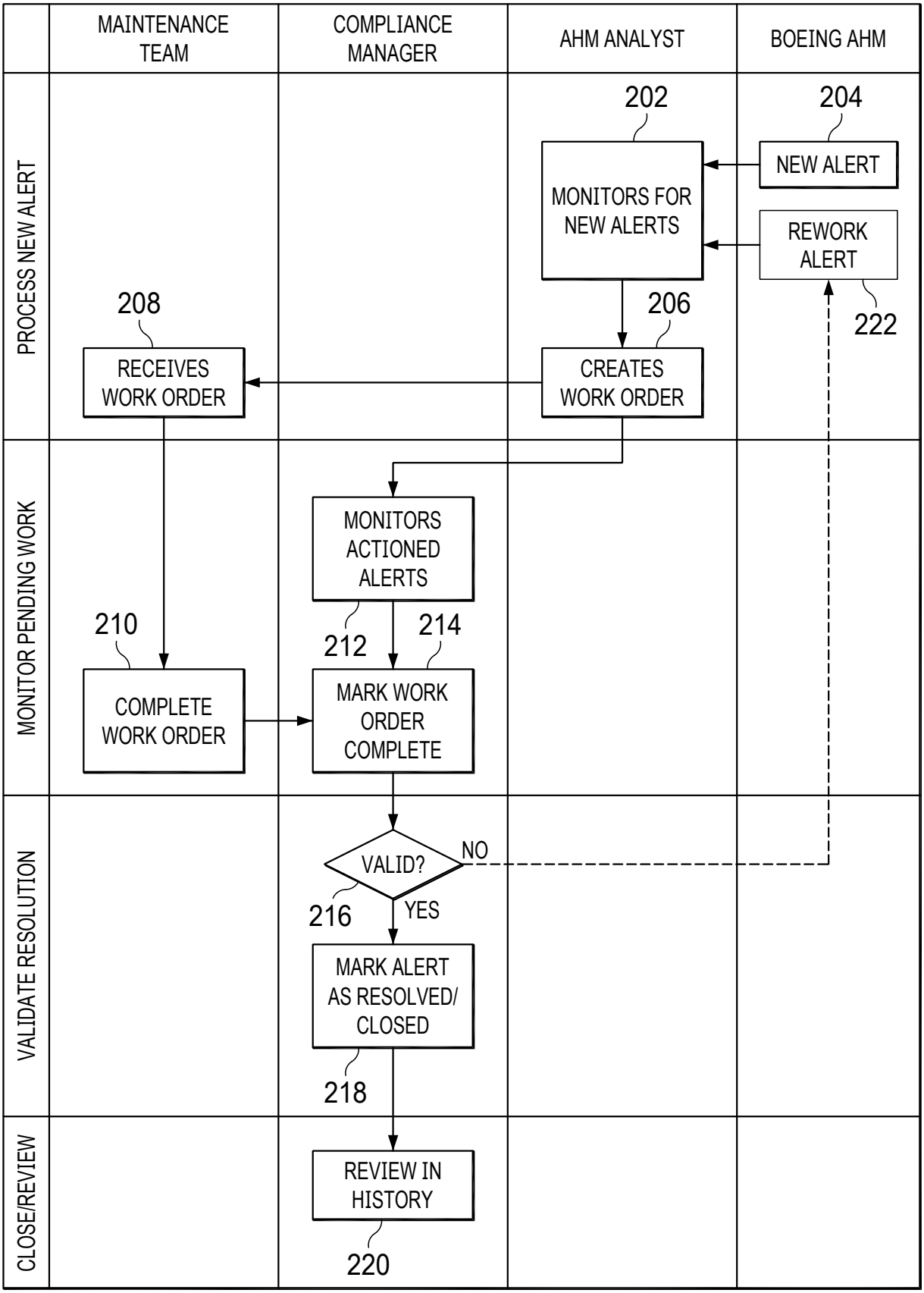

200
MAINTENANCE TEAM
COMPLIANCE MANAGER
AHM ANALYST
BOEING AHM
PROCESS NEW ALERT
MONITOR PENDING WORK
VALIDATE RESOLUTION
CLOSE/REVIEW
202
MONITORS FOR NEW ALERTS
204
NEW ALERT
REWORK ALERT
222
206
CREATES WORK ORDER
208
RECEIVES WORK ORDER
MONITORS ACTIONED ALERTS
212
214
MARK WORK ORDER COMPLETE
210
COMPLETE WORK ORDER
VALID?
NO
YES
216
MARK ALERT AS RESOLVED/ CLOSED
218
REVIEW IN HISTORY
220

FIG. 2

300

ML

New Alerts

Airplane	Model	Flight	Airports	OOOI (308)	Code	Description (302)	History (310)	Leg	ATA	Message Time↓	Compliance Window (304)	Remaining Units (306)
A636	787	416	LHR→YVR	Off 05:36	00-1111-A321	MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR limit.	○○○○○○○○○○● -9 -8 -7 -6 -5 -4 -3 -2 -1 **0**	0	73	24-Oct-2023 12:51		72 of 80 Flight Hours
A420	787	876	LAX→NRT	In 13:45	00-1112-NoReport	MRBR AHM Task - No Brake Servicing Information Report 710 received on this flight	○○○○○○○○●● -9 -8 -7 -6 -5 -4 -3 -2 **-1 0**	0	00	24-Oct-2023 11:16		64 of 80 Flight Hours
A098	787	416	PHL→SEA	In 12:51	22-1122-A123	MRBR AHM Task - Main Landing Gear Brake 3 percent remaining exceeds MRBR limit	○○○○○○○○○○● -9 -8 -7 -6 -5 -4 -3 -2 -1 **0**	0	32	24-Oct-2023 08:24		40 of 40 Flight Cycles

FIG. 3

Back

Scheduled Maintenance Alert Detail

4B

○ **Needs action** | Workflow Status: **New**

Alert Context 408

Airplane	Model	Flight	Leg	Alert Date		Depart	Arrive
A636	787	416	0	24-Oct 05:09	Off 05:36	LHR	YVR

Message History

Alert 00-1111-A321 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure diffe...

-9 -8 -7 -6 -5 -4 -3 -2 -1 0

Activity (1)

ML Write a comment...

Alert 24-Oct 12:51 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR limit.

414

Alert 00-1111-A321 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Left fuel filter exceeds the MRBR limit.

Airplane	Model	ATA	Occurrence Date	Compliance Window	Remaining Units
A636	787	73	24-Oct-2023 05:09		72 of 80 Flight Hours remaining

FFdP psid	Previous	Current 404	Threshold 406
Left	8.7	8.7	12.0
Right	11.4	12.9	12.0

402

Right Fuel Filter Pressure Drop (at Takeoff)

Fuel Filter Pressure Drop (psid): 28, 26, 24, 22, 20, 18, 16, 14, 12, 8, 6, 4, 2

Pressure Differential
Most Recent Data Point
Operational Limit
Service Limit

19-Aug, 26-Aug, 03-Aug, 10-Aug, 17-Aug, 24-Aug, 31-Aug, 07-Oct, 14-Oct, 21-Oct

Related Documents

Aircraft Maintenance Manual

- Fuel Filter Element - Removal - A787-A-123-44-12-34A-111A-A
- Fuel Filter Element - Installation - A787-A-123-44-12-34A-222A-A
- Main Fuel Pump Strainer - Removal - A787-A-123-44-12-34A-333A-A
- Main Fuel Pump Strainer - Cleaning - A787-A-123-44-12-34A-444A-A
- Main Fuel Pump Strainer - Inspection - A787-A-123-44-12-34A-555A-A
- Main Fuel Pump Strainer - Installation - A787-A-123-44-12-34A-666A-A

412

FIG. 4A

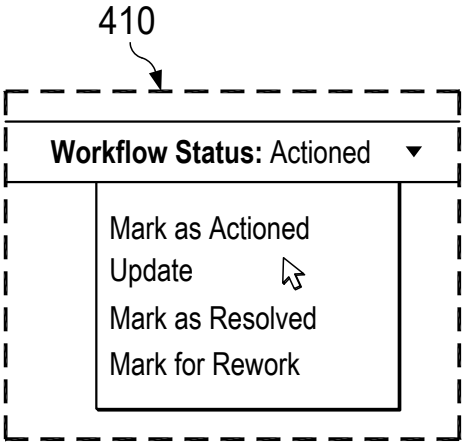

410
Workflow Status: Actioned
Mark as Actioned
Update
Mark as Resolved
Mark for Rework

FIG. 4B

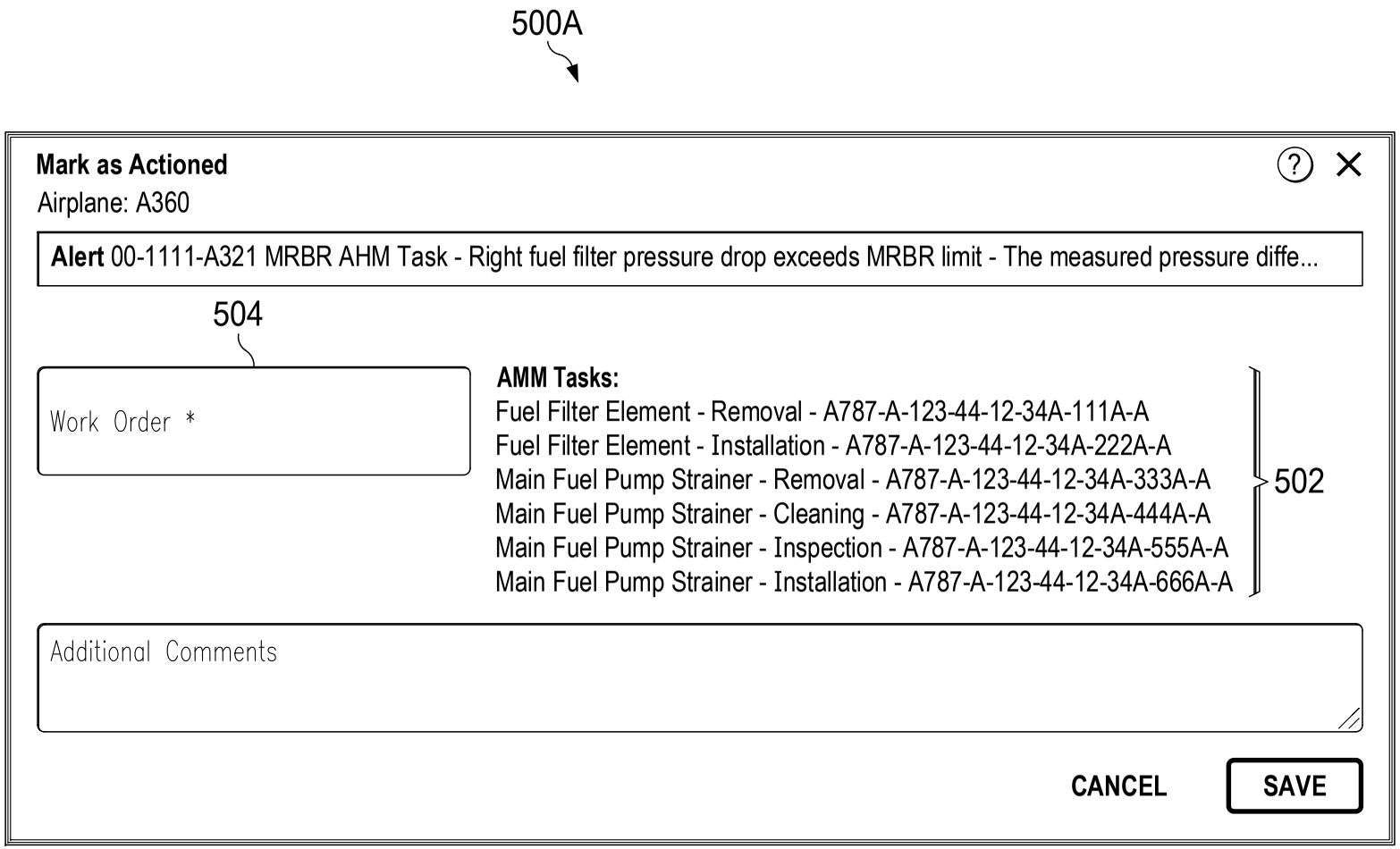

500A
Mark as Actioned
Airplane: A360
Alert 00-1111-A321 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure diffe...
504
Work Order *
AMM Tasks:
Fuel Filter Element - Removal - A787-A-123-44-12-34A-111A-A
Fuel Filter Element - Installation - A787-A-123-44-12-34A-222A-A
Main Fuel Pump Strainer - Removal - A787-A-123-44-12-34A-333A-A
Main Fuel Pump Strainer - Cleaning - A787-A-123-44-12-34A-444A-A
Main Fuel Pump Strainer - Inspection - A787-A-123-44-12-34A-555A-A
Main Fuel Pump Strainer - Installation - A787-A-123-44-12-34A-666A-A
502
Additional Comments
CANCEL
SAVE

FIG. 5A

500B

Update

Airplane: A360

Alert 00-1111-A321 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure diffe...

504

Work Order*

AB1221

☑ Work Orders Closed

506

AMM Tasks:

Fuel Filter Element - Removal - A787-A-123-44-12-34A-111A-A
Fuel Filter Element - Installation - A787-A-123-44-12-34A-222A-A
Main Fuel Pump Strainer - Removal - A787-A-123-44-12-34A-333A-A
Main Fuel Pump Strainer - Cleaning - A787-A-123-44-12-34A-444A-A
Main Fuel Pump Strainer - Inspection - A787-A-123-44-12-34A-555A-A
Main Fuel Pump Strainer - Installation - A787-A-123-44-12-34A-666A-A

502

Additional Comments

All AMMs Completed YVR Station (M.Nichols). Waiting for readings to return below threshold at the end of the next leg for confirmation before resolving.

CANCEL SAVE

FIG. 5B

500C

Mark as Resolved

Airplane: A360

Alert 00-1111-A321 MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure diffe...

504

Work Order*

AB1221

AMM Tasks:

Fuel Filter Element - Removal - A787-A-123-44-12-34A-111A-A
Fuel Filter Element - Installation - A787-A-123-44-12-34A-222A-A
Main Fuel Pump Strainer - Removal - A787-A-123-44-12-34A-333A-A
Main Fuel Pump Strainer - Cleaning - A787-A-123-44-12-34A-444A-A
Main Fuel Pump Strainer - Inspection - A787-A-123-44-12-34A-555A-A
Main Fuel Pump Strainer - Installation - A787-A-123-44-12-34A-666A-A

502

506

☑ Work Orders Closed *

☑ Condition Resolved *

508

Additional Comments

The alert has not been present in the last leg. Fuel pressure reading confirmed.

CANCEL SAVE

FIG. 5C

500D

Mark for Rework

Airplane: A360

Item will be moved to the New Alerts queue. Original compliance window will be maintained.

Alert 00-1111-A321 MRBR AHM Task - Left fuel filter pressure drop exceeds MRBR limit - The measured pressure differe...

Work Orders	Work Order Status	Condition
AZ123	Closed	Unresolved

Additional Comments

Fuel pressure continues to drop after maintenance. Sending item back for new work order.

CANCEL SAVE

FIG. 5D

600

ML

Actioned Alerts

Model **787** | Airplane | Code or Description | Work Order

602 604

187 of 328 Airplanes

Airplane	Model	Flight	Airports	0001	History	Code	Description	Compliance Window	Remaining	Compliance Status ↓	Work Order
A109	787	058	AMS→YYR	On 16:46	●●○ -2 -1 0	12-1111-A123	MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR l		48 of 80 Flight Hours	◐ Needs Validation	AZ122
A457	787	058	AMS→YYR	On 16:46	●●○ -2 -1 0	12-1111-A123	MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR l		48 of 80 Flight Hours	◐ Needs Validation	AZ122
A376	787	578	CTS→TPE	On 16:46	●●● -2 -1 0	12-1111-A123	MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR l		58 of 60 Flight Hours	◐ Needs Validation	AZ122

TO FIG. 6B

FIG. 6A

FROM FIG. 6A

A579	787	578	CTS→TPE	On 16:46	●●● -2 -1 0	12-1111-A123	MRBR AHM Task - Right fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Right fuel filter exceeds the MRBR l		58 of 60 Flight Hours	◐	Needs Validation	AZ122
A009	787	241	CDG→YVR	In 16:42	○●● -2 -1 0	00-1212-NoReport	MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight		33 of 40 Flight Cycles	◐	Needs Validation	AZ1331
A012	787	241	CDG→YVR	In 16:42	○●● -2 -1 0	00-1212-NoReport	MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight		33 of 40 Flight Cycles	◐	Needs Validation	AZ1331
A420	787	241	DEN→SEA	In 12:51	○●● -2 -1 0	00-1212-NoReport	MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight		16 of 40 Flight Cycles	○	Pending work	AZ1331
A312	787	578	SFO→MIA	In 08:08	○●● -2 -1 0	44-5566-B123	MRBR AHM Task - Main Landing Gear Brake 8 percent remaining exceeds MRBR limit.		41 of 80 Flight Hours	○	Pending work	AZ1345
A215	787	240	LHR→YVR	In 12:51	○●● -2 -1 0	13-0001-B012	MRBR AHM Task - Left fuel filter pressure drop exceeds MRBR limit - The measured pressure differential for the Left fuel filter exceeds the MRBR l		42 of 80 Flight Hours	○	Pending work	AZ5678

600

FIG. 6B

700

Back

Scheduled Maintenance Alert Detail

○ **Needs action** Workflow Status: **New**

Alert Context

Airplane	Model	Flight	Leg	Update Date		Depart		Arrive
A420	787	241	-0	24-Oct 12:51	In 12:51	NRT		SEA

Message History

Alert 00-1212-NoReport MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight

-9 -8 -7 -6 -5 -4 -3 -2 -1 0

Activity (1)

ML Write a comment...

Alert 24-Oct 12:51 MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight

706

Alert 00-1212-NoReport MRBR AHM Task - NO Brake Servicing Information Report 710 received on this flight

Airplane	Model	ATA	Occurrence Date	Compliance Window	Remaining Units
A420	787	32	24-Oct-2023		29 of 40 Flight Hours remaining

Report History

Leg -19 -18 -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0

Report

702

Related Documents

Aircraft Maintenance Manual

No Report Procedure

No Brake Servicing Report Procedure

Compliance Tasks

Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 1]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 2]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 3]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 4]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 5]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 6]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 7]
Brake Wear - Visual Check - B121-A-11-22-33-123-100A-C [MLG Brake 8]

704

FIG. 7

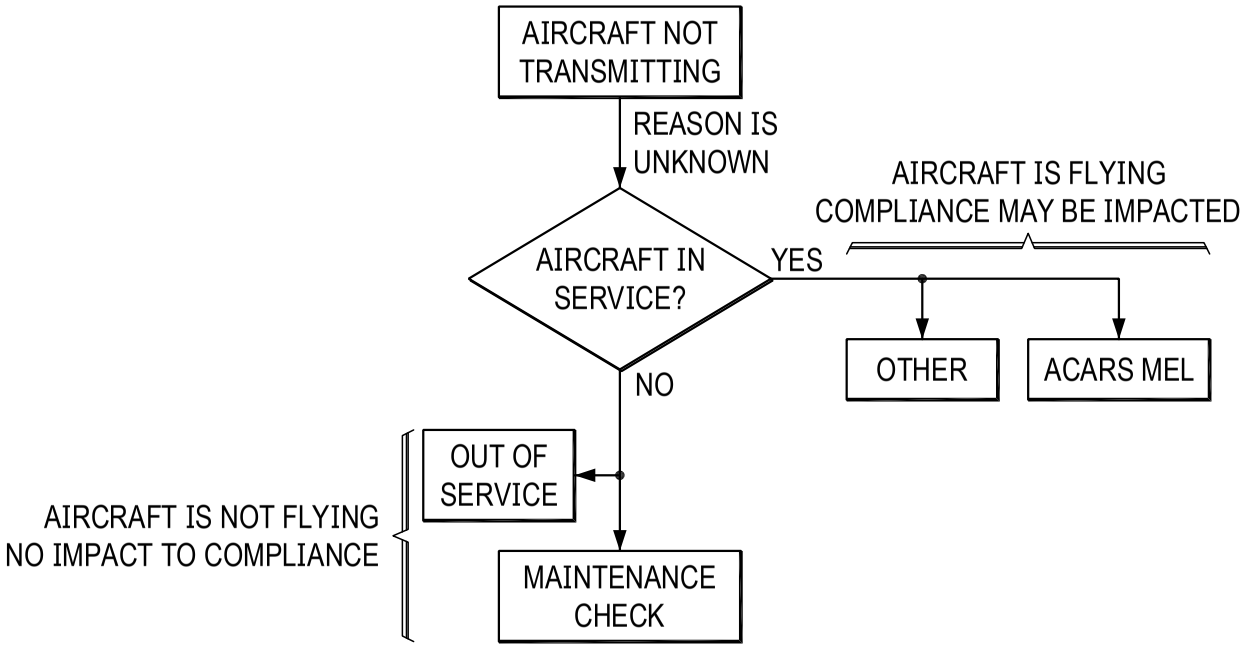

AIRCRAFT NOT TRANSMITTING
REASON IS UNKNOWN
AIRCRAFT IN SERVICE?
YES
AIRCRAFT IS FLYING
COMPLIANCE MAY BE IMPACTED
OTHER
ACARS MEL
NO
OUT OF SERVICE
AIRCRAFT IS NOT FLYING
NO IMPACT TO COMPLIANCE
MAINTENANCE CHECK

FIG. 8

900

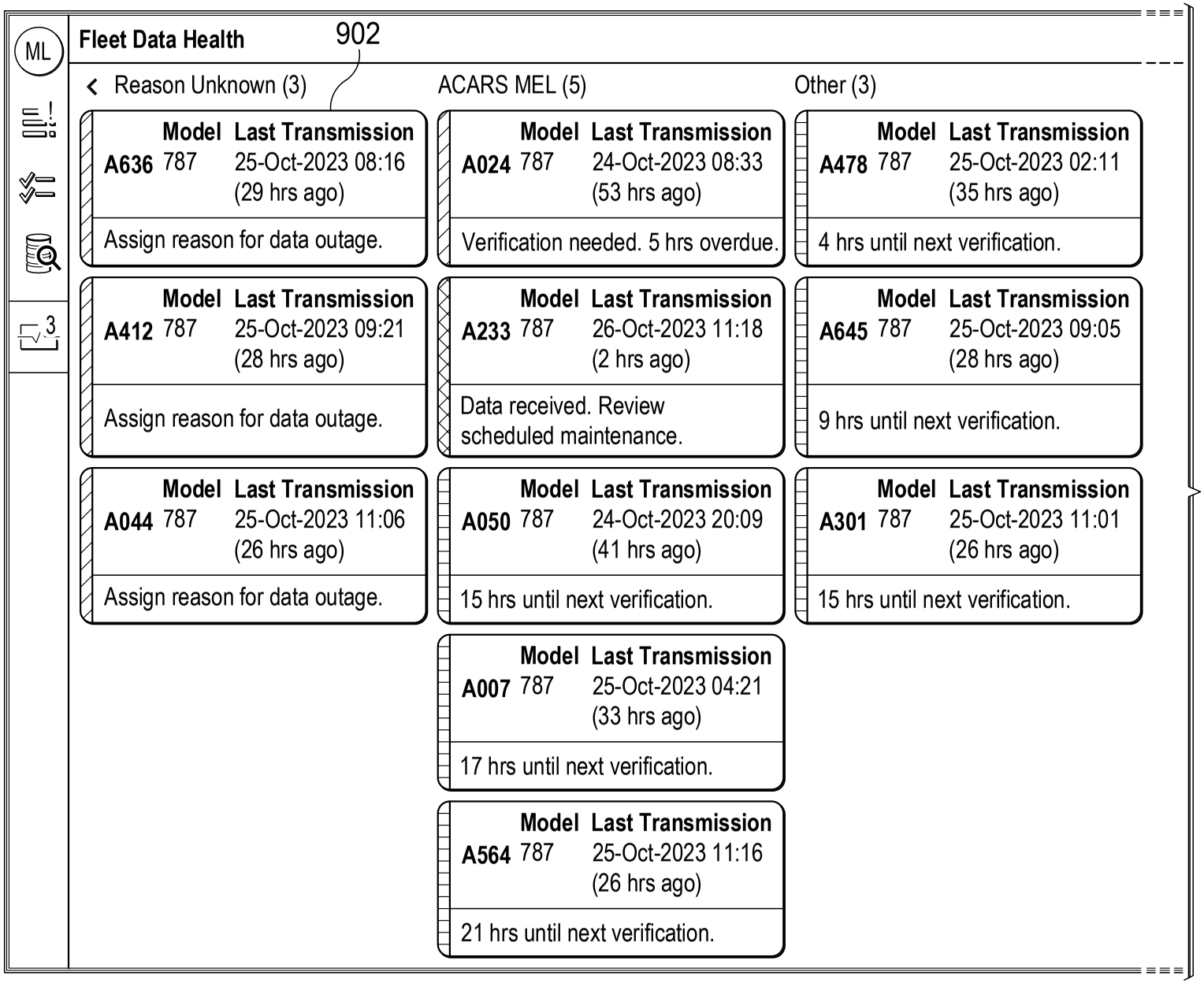

ML
Fleet Data Health
902
Reason Unknown (3)
ACARS MEL (5)
Other (3)
A636 Model 787 Last Transmission 25-Oct-2023 08:16 (29 hrs ago)
Assign reason for data outage.
A412 Model 787 Last Transmission 25-Oct-2023 09:21 (28 hrs ago)
Assign reason for data outage.
A044 Model 787 Last Transmission 25-Oct-2023 11:06 (26 hrs ago)
Assign reason for data outage.
A024 Model 787 Last Transmission 24-Oct-2023 08:33 (53 hrs ago)
Verification needed. 5 hrs overdue.
A233 Model 787 Last Transmission 26-Oct-2023 11:18 (2 hrs ago)
Data received. Review scheduled maintenance.
A050 Model 787 Last Transmission 24-Oct-2023 20:09 (41 hrs ago)
15 hrs until next verification.
A007 Model 787 Last Transmission 25-Oct-2023 04:21 (33 hrs ago)
17 hrs until next verification.
A564 Model 787 Last Transmission 25-Oct-2023 11:16 (26 hrs ago)
21 hrs until next verification.
A478 Model 787 Last Transmission 25-Oct-2023 02:11 (35 hrs ago)
4 hrs until next verification.
A645 Model 787 Last Transmission 25-Oct-2023 09:05 (28 hrs ago)
9 hrs until next verification.
A301 Model 787 Last Transmission 25-Oct-2023 11:01 (26 hrs ago)
15 hrs until next verification.
TO FIG. 9B

FIG. 9A

900

Expanded View

Out of Service (4)

	Model	Last Transmission
A212	787	24-Oct-2023 10:21 (51 hrs ago)
Verify status. 3 hrs overdue.		

	Model	Last Transmission
A004	787	24-Oct-2023 23:51 (38 hrs ago)
8 hrs until next verification.		

	Model	Last Transmission
A251	787	25-Oct-2023 06:16 (31 hrs ago)
16 hrs until next verification.		

	Model	Last Transmission
A614	787	25-Oct-2023 11:18 (26 hrs ago)
21 hrs until next verification.		

In Maintenance Check (11)

	Model	Last Transmission
A056	787	12-Oct-2023 16:20 (14 days ago)
Exceeded Check Exit date: 25-Oct-2023		

	Model	Last Transmission
A087	787	20-Sep-2023 12:51 (36 days ago)
Verify Check Exit date: 25-Dec-2023		

	Model	Last Transmission
A782	787	25-Oct-2023 12:51 (26 hrs ago)
Approaching Check Exit date: 3-Nov-2023		

	Model	Last Transmission
A201	787	10-Oct-2023 08:07 (289 hrs ago)
Est. Check Exit date: 09-Dec-2023		

	Model	Last Transmission
A314	787	25-Oct-2023 12:51 (26 hrs ago)
Est. Check Exit date: 21-Dec-2023		

Recently Restored (6 in Last 48 hrs) >

	Model	Last Transmission
A014	787	26-Oct-2023 04:03 (9 hrs ago)

	Model	Last Transmission
A311	787	26-Oct-2023 03:56 (9 hrs ago)

	Model	Last Transmission
A010	787	26-Oct-2023 00:06 (13 hrs ago)

	Model	Last Transmission
A641	787	25-Oct-2023 23:03 (14 hrs ago)

	Model	Last Transmission
A079	787	25-Oct-2023 21:04 (16 hrs ago)

	Model	Last Transmission
A544	787	25-Oct-2023 14:09 (23 hrs ago)

FROM FIG. 9A

FIG. 9B

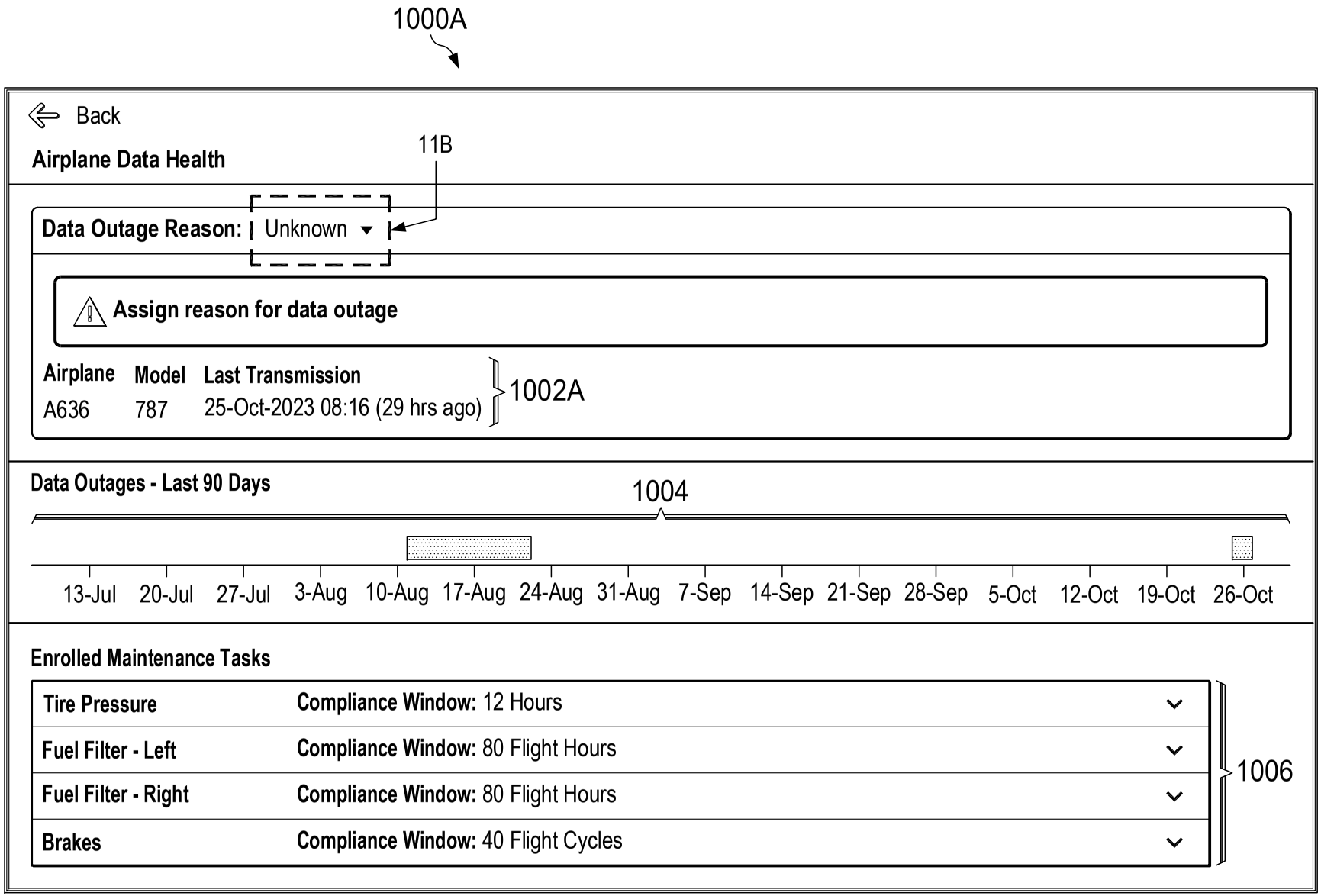

1000A
Back
Airplane Data Health
11B
Data Outage Reason: Unknown
Assign reason for data outage
Airplane
Model
Last Transmission
A636
787
25-Oct-2023 08:16 (29 hrs ago)
1002A
Data Outages - Last 90 Days
1004
13-Jul
20-Jul
27-Jul
3-Aug
10-Aug
17-Aug
24-Aug
31-Aug
7-Sep
14-Sep
21-Sep
28-Sep
5-Oct
12-Oct
19-Oct
26-Oct
Enrolled Maintenance Tasks
Tire Pressure
Compliance Window: 12 Hours
Fuel Filter - Left
Compliance Window: 80 Flight Hours
Fuel Filter - Right
Compliance Window: 80 Flight Hours
Brakes
Compliance Window: 40 Flight Cycles
1006

FIG. 10A

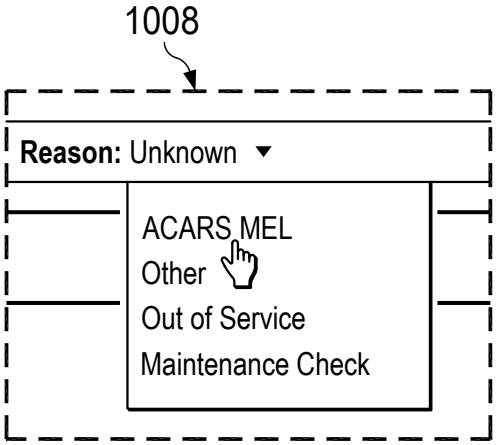

1008
Reason: Unknown
ACARS MEL
Other
Out of Service
Maintenance Check

FIG. 10B

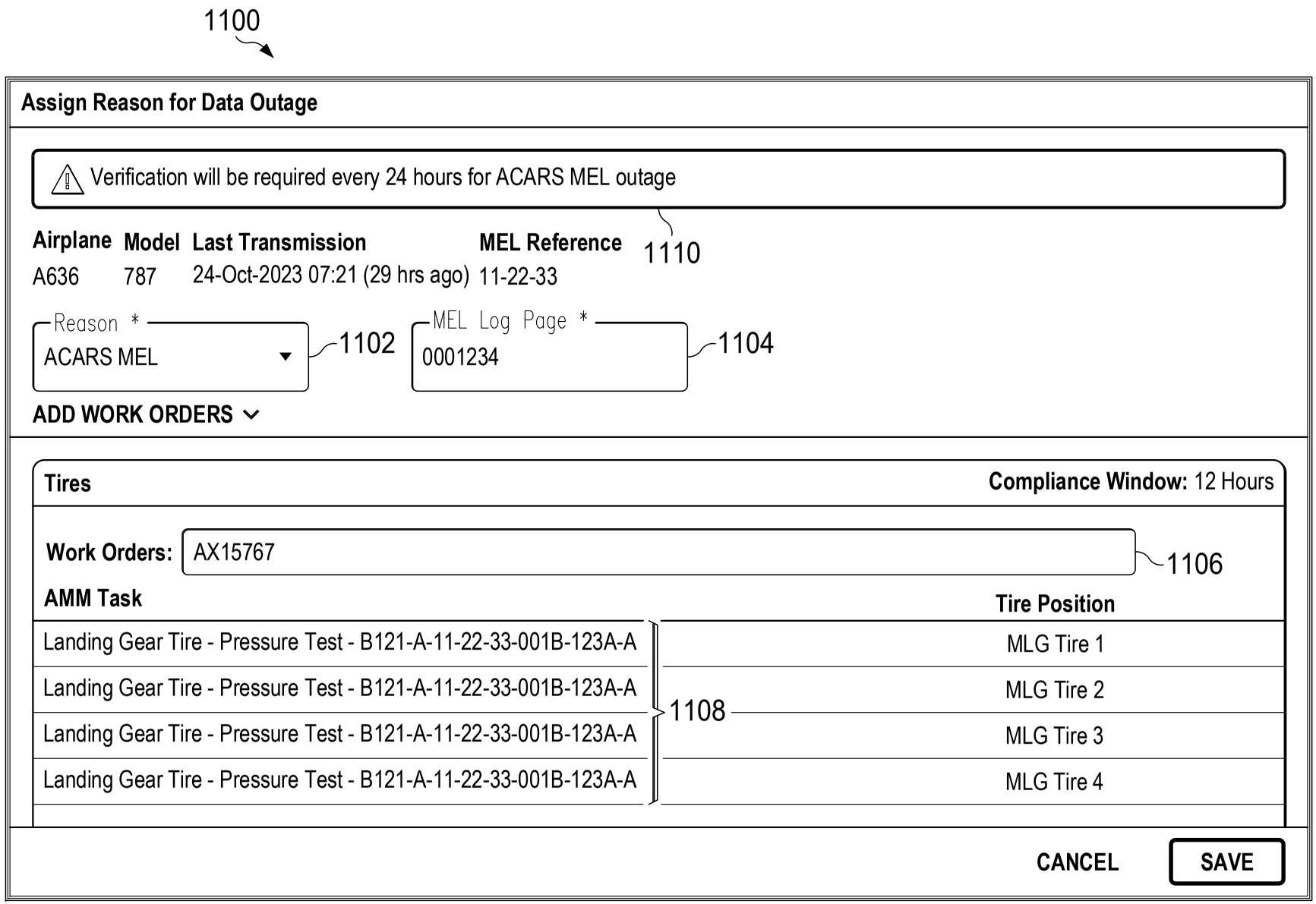

1100
Assign Reason for Data Outage
Verification will be required every 24 hours for ACARS MEL outage
1110
Airplane
Model
Last Transmission
MEL Reference
A636
787
24-Oct-2023 07:21 (29 hrs ago)
11-22-33
Reason *
ACARS MEL
1102
MEL Log Page *
0001234
1104
ADD WORK ORDERS
Tires
Compliance Window: 12 Hours
Work Orders:
AX15767
1106
AMM Task
Tire Position
Landing Gear Tire - Pressure Test - B121-A-11-22-33-001B-123A-A
MLG Tire 1
Landing Gear Tire - Pressure Test - B121-A-11-22-33-001B-123A-A
MLG Tire 2
Landing Gear Tire - Pressure Test - B121-A-11-22-33-001B-123A-A
MLG Tire 3
Landing Gear Tire - Pressure Test - B121-A-11-22-33-001B-123A-A
MLG Tire 4
1108
CANCEL
SAVE

FIG. 11

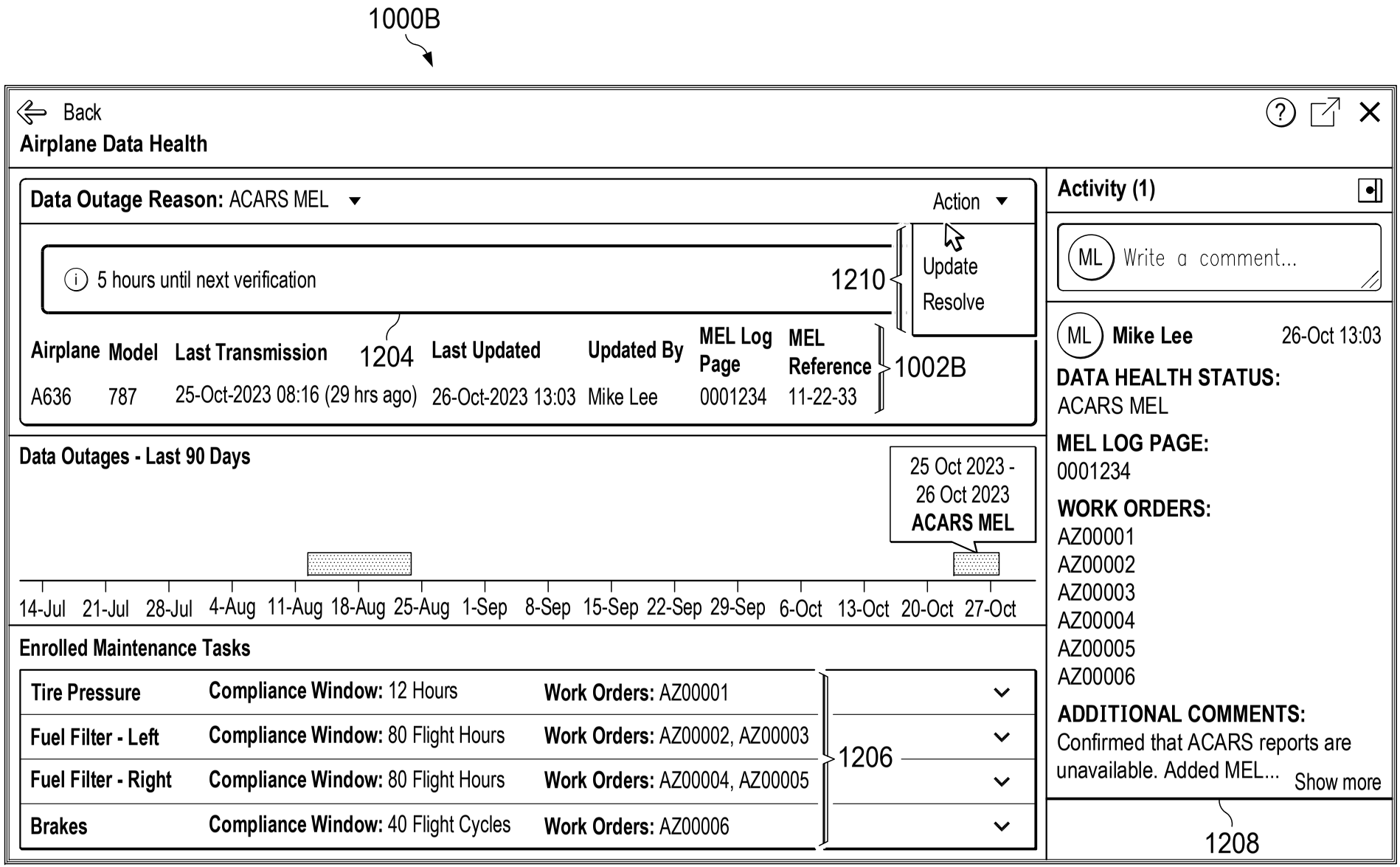

1000B
Back
Airplane Data Health
Data Outage Reason: ACARS MEL
Action
5 hours until next verification
1210
Update
Resolve
Airplane
Model
Last Transmission
1204
Last Updated
Updated By
MEL Log Page
MEL Reference
1002B
A636
787
25-Oct-2023 08:16 (29 hrs ago)
26-Oct-2023 13:03
Mike Lee
0001234
11-22-33
Data Outages - Last 90 Days
25 Oct 2023 - 26 Oct 2023
ACARS MEL
14-Jul
21-Jul
28-Jul
4-Aug
11-Aug
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
22-Sep
29-Sep
6-Oct
13-Oct
20-Oct
27-Oct
Enrolled Maintenance Tasks
Tire Pressure
Compliance Window: 12 Hours
Work Orders: AZ00001
Fuel Filter - Left
Compliance Window: 80 Flight Hours
Work Orders: AZ00002, AZ00003
Fuel Filter - Right
Compliance Window: 80 Flight Hours
Work Orders: AZ00004, AZ00005
Brakes
Compliance Window: 40 Flight Cycles
Work Orders: AZ00006
1206
Activity (1)
ML
Write a comment...
ML
Mike Lee
26-Oct 13:03
DATA HEALTH STATUS:
ACARS MEL
MEL LOG PAGE:
0001234
WORK ORDERS:
AZ00001
AZ00002
AZ00003
AZ00004
AZ00005
AZ00006
ADDITIONAL COMMENTS:
Confirmed that ACARS reports are unavailable. Added MEL...
Show more
1208

FIG. 12

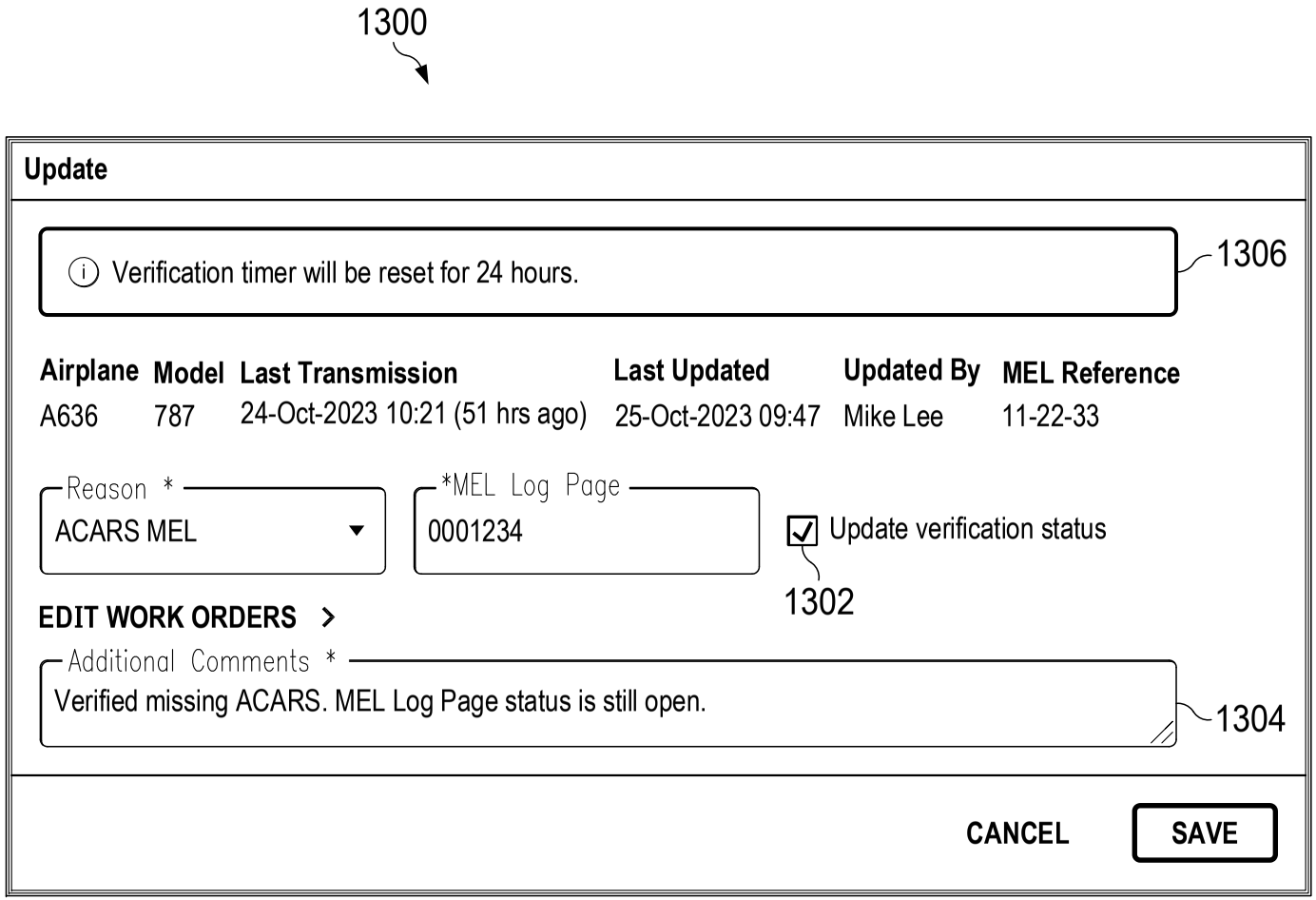

1300
Update
Verification timer will be reset for 24 hours.
1306
Airplane
Model
Last Transmission
Last Updated
Updated By
MEL Reference
A636
787
24-Oct-2023 10:21 (51 hrs ago)
25-Oct-2023 09:47
Mike Lee
11-22-33
Reason *
ACARS MEL
*MEL Log Page
0001234
Update verification status
1302
EDIT WORK ORDERS
Additional Comments *
Verified missing ACARS. MEL Log Page status is still open.
1304
CANCEL
SAVE

FIG. 13

Back

Airplane Data Health

Data Outage Reason: ACARS MEL

Action

Data received. Review scheduled maintenance 1210

Update

Resolve

1402

Airplane	Model	Last Transmission	Last Updated	Updated By	MEL Log Page	MEL Reference
A636	787	27-Oct-2023 08:09 (23 min ago)	27-Oct-2023 07:11	Mike Lee	0001234	11-22-33

Data Outages - Last 90 Days

14-Jul 21-Jul 28-Jul 4-Aug 11-Aug 18-Aug 25-Aug 1-Sep 8-Sep 15-Sep 22-Sep 29-Sep 6-Oct 13-Oct 20-Oct 27-Oct

Enrolled Maintenance Tasks

Tire Pressure	**Compliance Window:** 12 Hours	**Work Orders:** AZ00001
Fuel Filter - Left	**Compliance Window:** 80 Flight Hours	**Work Orders:** AZ00002, AZ00003
Fuel Filter - Right	**Compliance Window:** 80 Flight Hours	**Work Orders:** AZ00004, AZ00005
Brakes	**Compliance Window:** 40 Flight Cycles	**Work Orders:** AZ00006

Activity (2)

ML Write a comment...

ML **Mike Lee** 27-Oct 07:11

24 HR VERIFICATION:
ACARS MEL
MEL LOG PAGE:
0001234
ADDITIONAL COMMENTS:
Verified missing ACARS. MEL Log Page status is still open. Show more

ML **Mike Lee** 26-Oct 13:03

DATA HEALTH STATUS:
ACARS MEL
MEL LOG PAGE:
0001234
WORK ORDERS:
AZ00001
AZ00002
AZ00003
AZ00004
AZ00005
AZ00006
ADDITIONAL COMMENTS:
Confirmed that ACARS reports are unavailable. Added MEL... Show more

1000C

FIG. 14

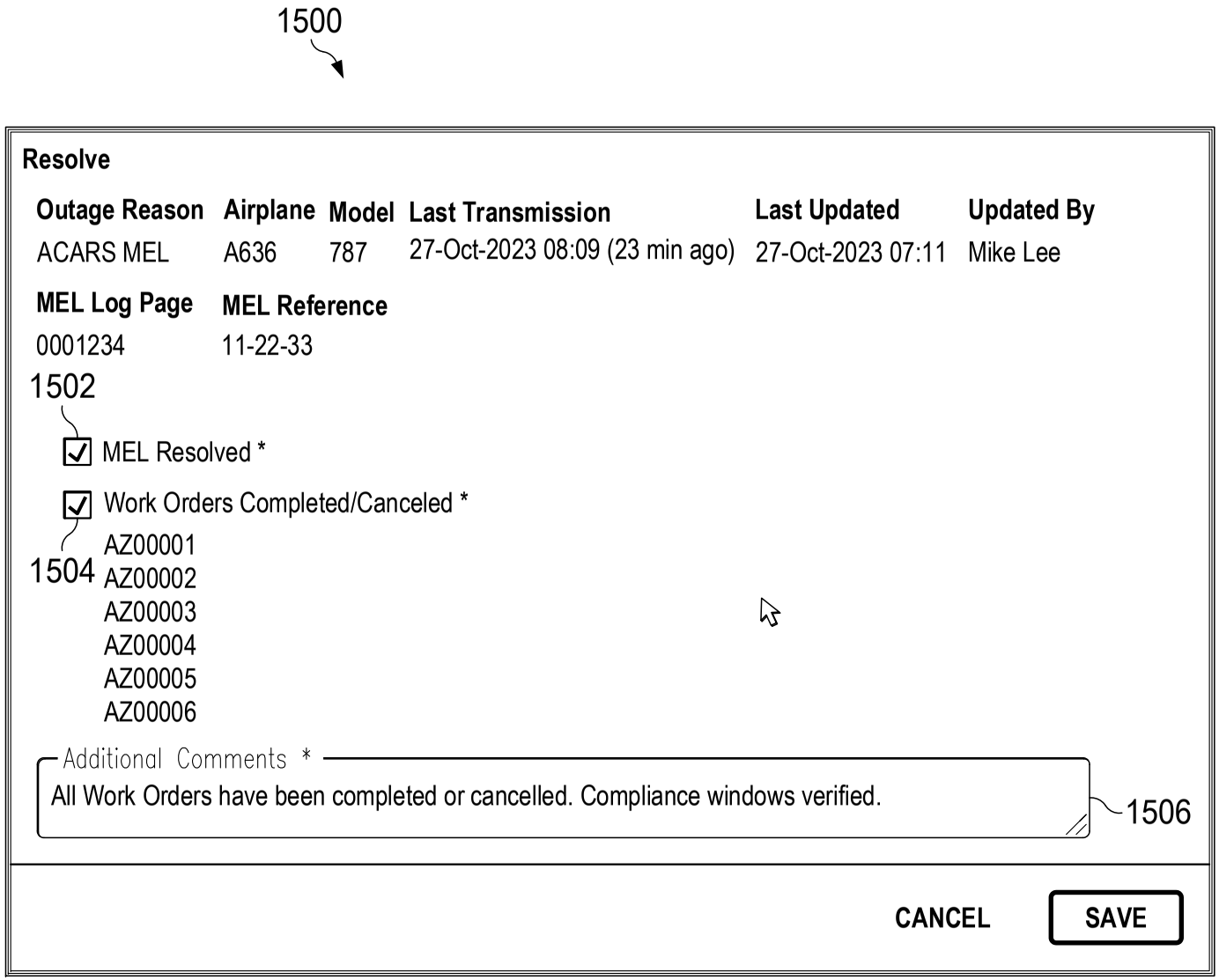

1500
Resolve
Outage Reason
Airplane
Model
Last Transmission
Last Updated
Updated By
ACARS MEL
A636
787
27-Oct-2023 08:09 (23 min ago)
27-Oct-2023 07:11
Mike Lee
MEL Log Page
MEL Reference
0001234
11-22-33
1502
MEL Resolved *
Work Orders Completed/Canceled *
1504
AZ00001
AZ00002
AZ00003
AZ00004
AZ00005
AZ00006
Additional Comments *
All Work Orders have been completed or cancelled. Compliance windows verified.
1506
CANCEL
SAVE

FIG. 15

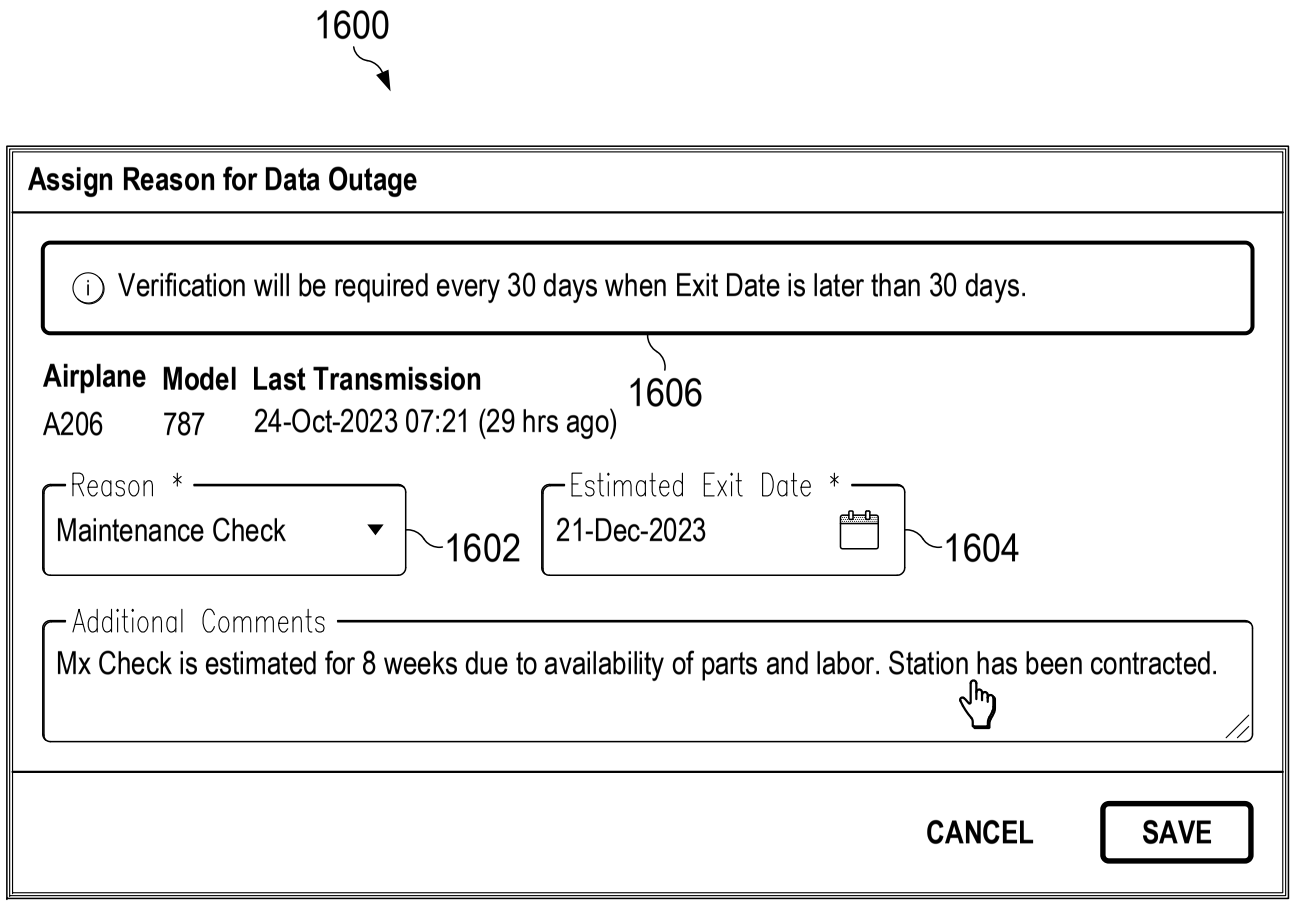

1600
Assign Reason for Data Outage
Verification will be required every 30 days when Exit Date is later than 30 days.
1606
Airplane
Model
Last Transmission
A206
787
24-Oct-2023 07:21 (29 hrs ago)
Reason *
Maintenance Check
1602
Estimated Exit Date *
21-Dec-2023
1604
Additional Comments
Mx Check is estimated for 8 weeks due to availability of parts and labor. Station has been contracted.
CANCEL
SAVE

FIG. 16

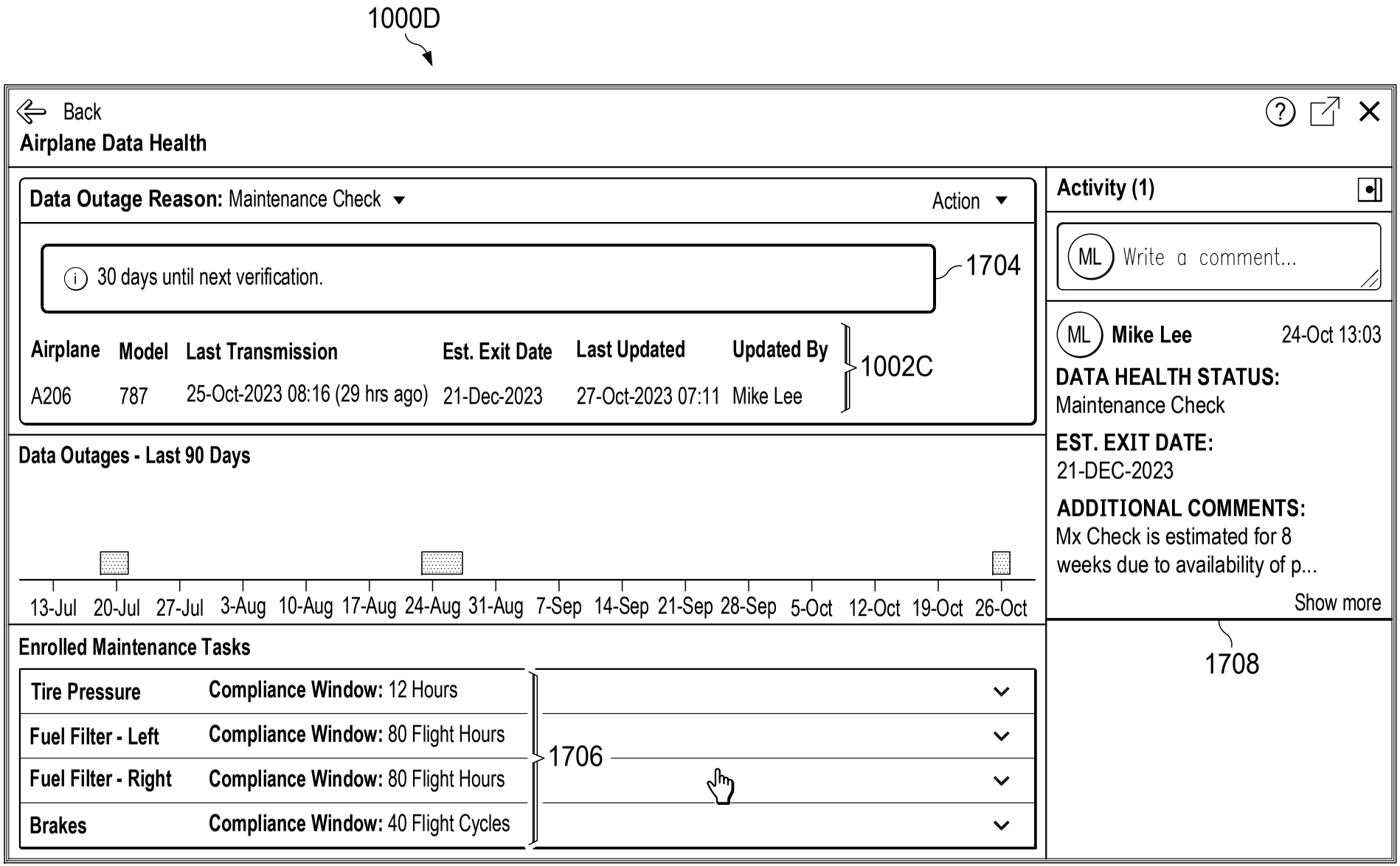

1000D
Back
Airplane Data Health
Data Outage Reason: Maintenance Check
Action
30 days until next verification.
1704
Airplane
Model
Last Transmission
Est. Exit Date
Last Updated
Updated By
A206
787
25-Oct-2023 08:16 (29 hrs ago)
21-Dec-2023
27-Oct-2023 07:11
Mike Lee
1002C
Data Outages - Last 90 Days
13-Jul
20-Jul
27-Jul
3-Aug
10-Aug
17-Aug
24-Aug
31-Aug
7-Sep
14-Sep
21-Sep
28-Sep
5-Oct
12-Oct
19-Oct
26-Oct
Enrolled Maintenance Tasks
Tire Pressure
Compliance Window: 12 Hours
Fuel Filter - Left
Compliance Window: 80 Flight Hours
Fuel Filter - Right
Compliance Window: 80 Flight Hours
Brakes
Compliance Window: 40 Flight Cycles
1706
Activity (1)
ML
Write a comment...
ML
Mike Lee
24-Oct 13:03
DATA HEALTH STATUS:
Maintenance Check
EST. EXIT DATE:
21-DEC-2023
ADDITIONAL COMMENTS:
Mx Check is estimated for 8 weeks due to availability of p...
Show more
1708

FIG. 17

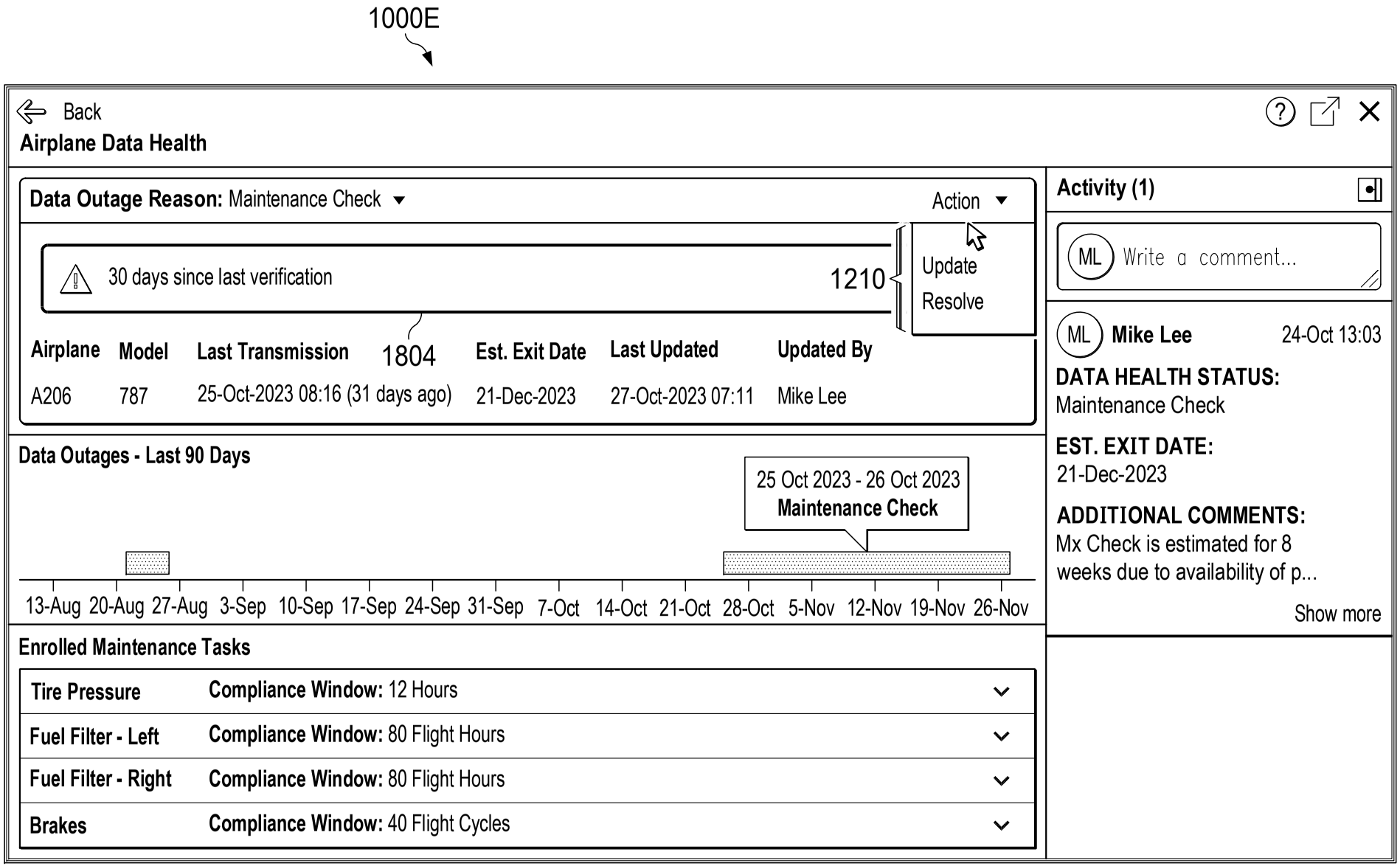

1000E
Back
Airplane Data Health
Data Outage Reason: Maintenance Check
Action
30 days since last verification
1210
Update
Resolve
Airplane
Model
Last Transmission
1804
Est. Exit Date
Last Updated
Updated By
A206
787
25-Oct-2023 08:16 (31 days ago)
21-Dec-2023
27-Oct-2023 07:11
Mike Lee
Data Outages - Last 90 Days
25 Oct 2023 - 26 Oct 2023
Maintenance Check
13-Aug 20-Aug 27-Aug 3-Sep 10-Sep 17-Sep 24-Sep 31-Sep 7-Oct 14-Oct 21-Oct 28-Oct 5-Nov 12-Nov 19-Nov 26-Nov
Enrolled Maintenance Tasks
Tire Pressure
Compliance Window: 12 Hours
Fuel Filter - Left
Compliance Window: 80 Flight Hours
Fuel Filter - Right
Compliance Window: 80 Flight Hours
Brakes
Compliance Window: 40 Flight Cycles
Activity (1)
ML
Write a comment...
ML
Mike Lee
24-Oct 13:03
DATA HEALTH STATUS:
Maintenance Check
EST. EXIT DATE:
21-Dec-2023
ADDITIONAL COMMENTS:
Mx Check is estimated for 8 weeks due to availability of p...
Show more

FIG. 18

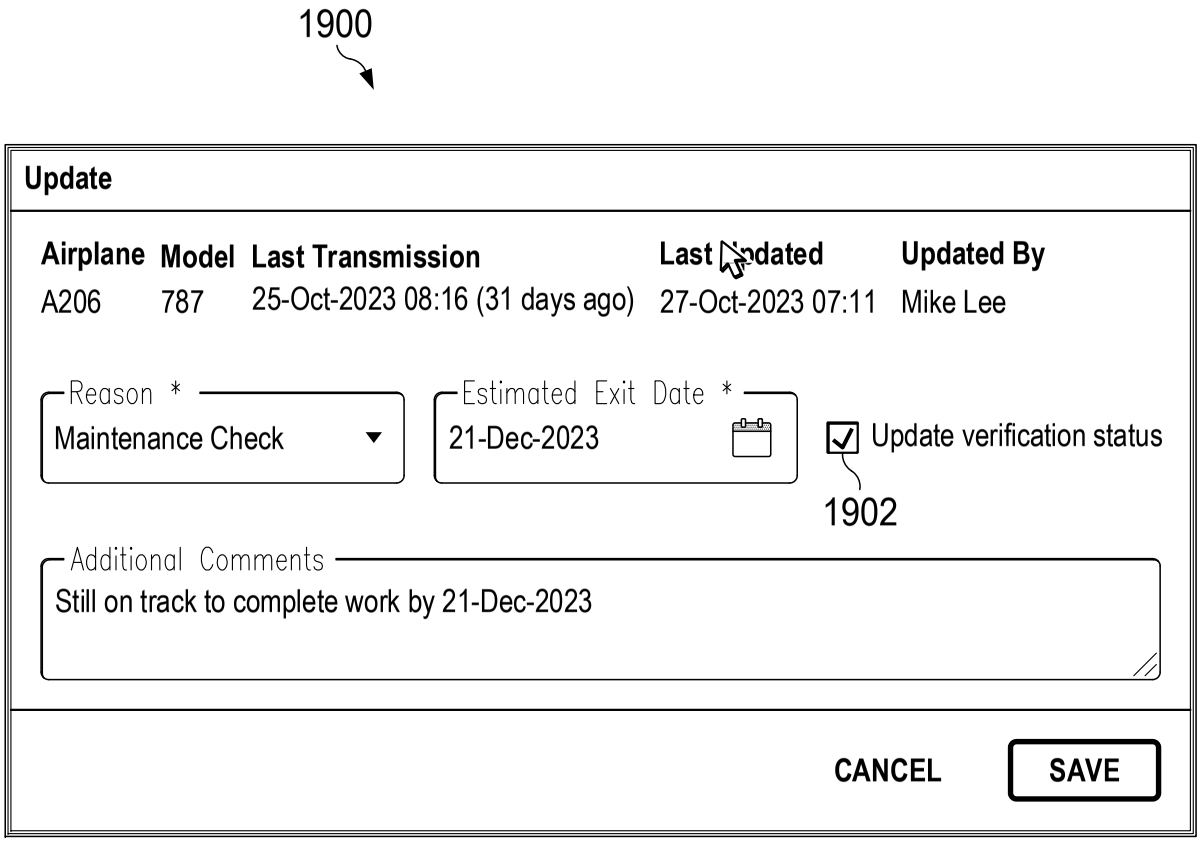
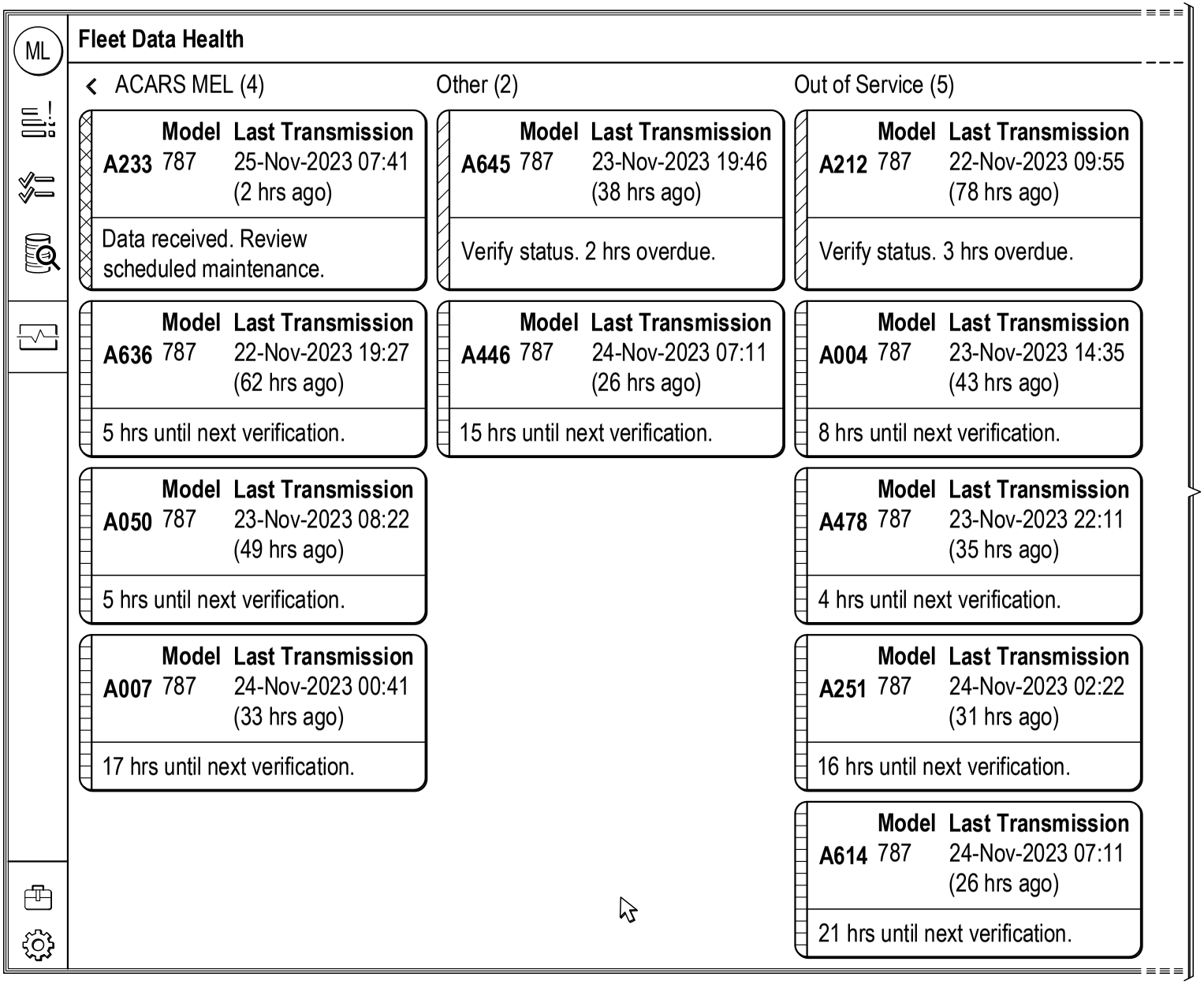

1900
Update
Airplane
Model
Last Transmission
Last Updated
Updated By
A206
787
25-Oct-2023 08:16 (31 days ago)
27-Oct-2023 07:11
Mike Lee
Reason *
Maintenance Check
Estimated Exit Date *
21-Dec-2023
Update verification status
1902
Additional Comments
Still on track to complete work by 21-Dec-2023
CANCEL
SAVE

FIG. 19

900



TO FIG. 20B

FIG. 20A

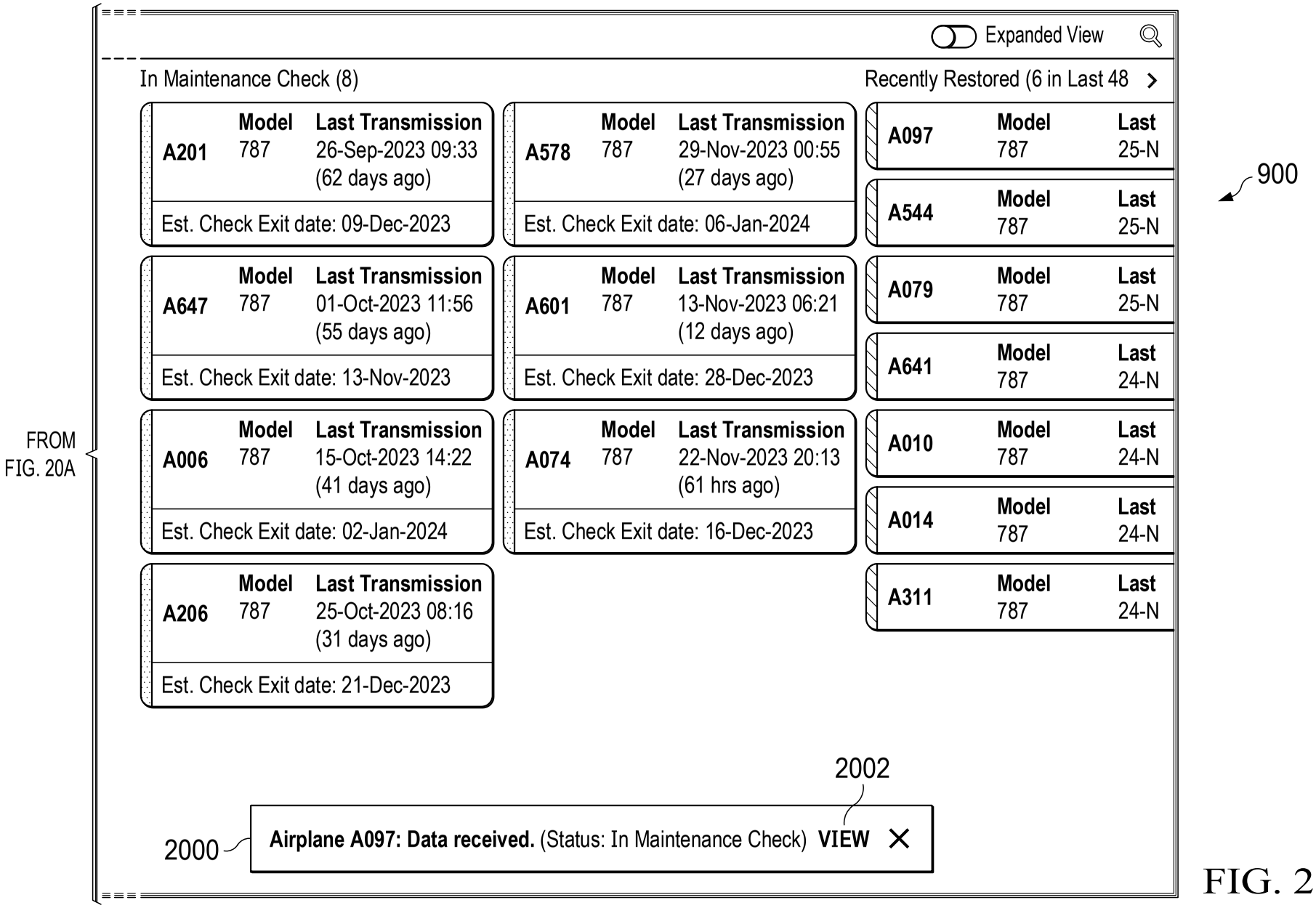

FROM FIG. 20A
Expanded View
In Maintenance Check (8)
Recently Restored (6 in Last 48
A201 Model 787 Last Transmission 26-Sep-2023 09:33 (62 days ago)
Est. Check Exit date: 09-Dec-2023
A578 Model 787 Last Transmission 29-Nov-2023 00:55 (27 days ago)
Est. Check Exit date: 06-Jan-2024
A647 Model 787 Last Transmission 01-Oct-2023 11:56 (55 days ago)
Est. Check Exit date: 13-Nov-2023
A601 Model 787 Last Transmission 13-Nov-2023 06:21 (12 days ago)
Est. Check Exit date: 28-Dec-2023
A006 Model 787 Last Transmission 15-Oct-2023 14:22 (41 days ago)
Est. Check Exit date: 02-Jan-2024
A074 Model 787 Last Transmission 22-Nov-2023 20:13 (61 hrs ago)
Est. Check Exit date: 16-Dec-2023
A206 Model 787 Last Transmission 25-Oct-2023 08:16 (31 days ago)
Est. Check Exit date: 21-Dec-2023
A097 Model 787 Last 25-N
A544 Model 787 Last 25-N
A079 Model 787 Last 25-N
A641 Model 787 Last 24-N
A010 Model 787 Last 24-N
A014 Model 787 Last 24-N
A311 Model 787 Last 24-N
900
2002
2000
Airplane A097: Data received. (Status: In Maintenance Check) VIEW

FIG. 20B

Back

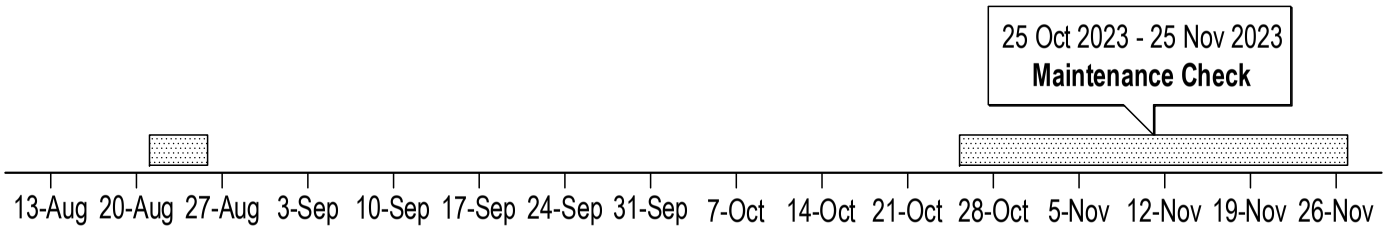
Airplane Data Health

Online

Data received. Auto resolved.

Airplane	Model	Last Transmission	Est. Exit Date	Last Updated	Updated By
A097	787	25-Nov-2023 09:33 (just now)	25-Nov-2023	27-Oct-2023 07:11	Mike Lee

Data Outages - Last 90 Days



Enrolled Maintenance Tasks

Tire Pressure	**Compliance Window:** 12 Hours
Fuel Filter - Left	**Compliance Window:** 80 Flight Hours
Fuel Filter - Right	**Compliance Window:** 80 Flight Hours
Brakes	**Compliance Window:** 40 Flight Cycles

Activity (2)

ML Write a comment...

AHM Alert 25-Nov 09:33
Data received. Auto resolved.

ML **Mike Lee** 24-Oct 12:03
30 DAY VERIFICATION:
Maintenance Check
EST. EXIT DATE
21-DEC-2023
ADDITIONAL COMMENTS:
Still on track to complete work by 21-Dec-2023

ML **Mike Lee** 24-Oct 12:03
DATA HEALTH STATUS:
Maintenance Check
EST. EXIT DATE
21-DEC-2023
ADDITIONAL COMMENTS:
Mx Check is estimated for 8 weeks due to availability of p...
Show more

2100

FIG. 21

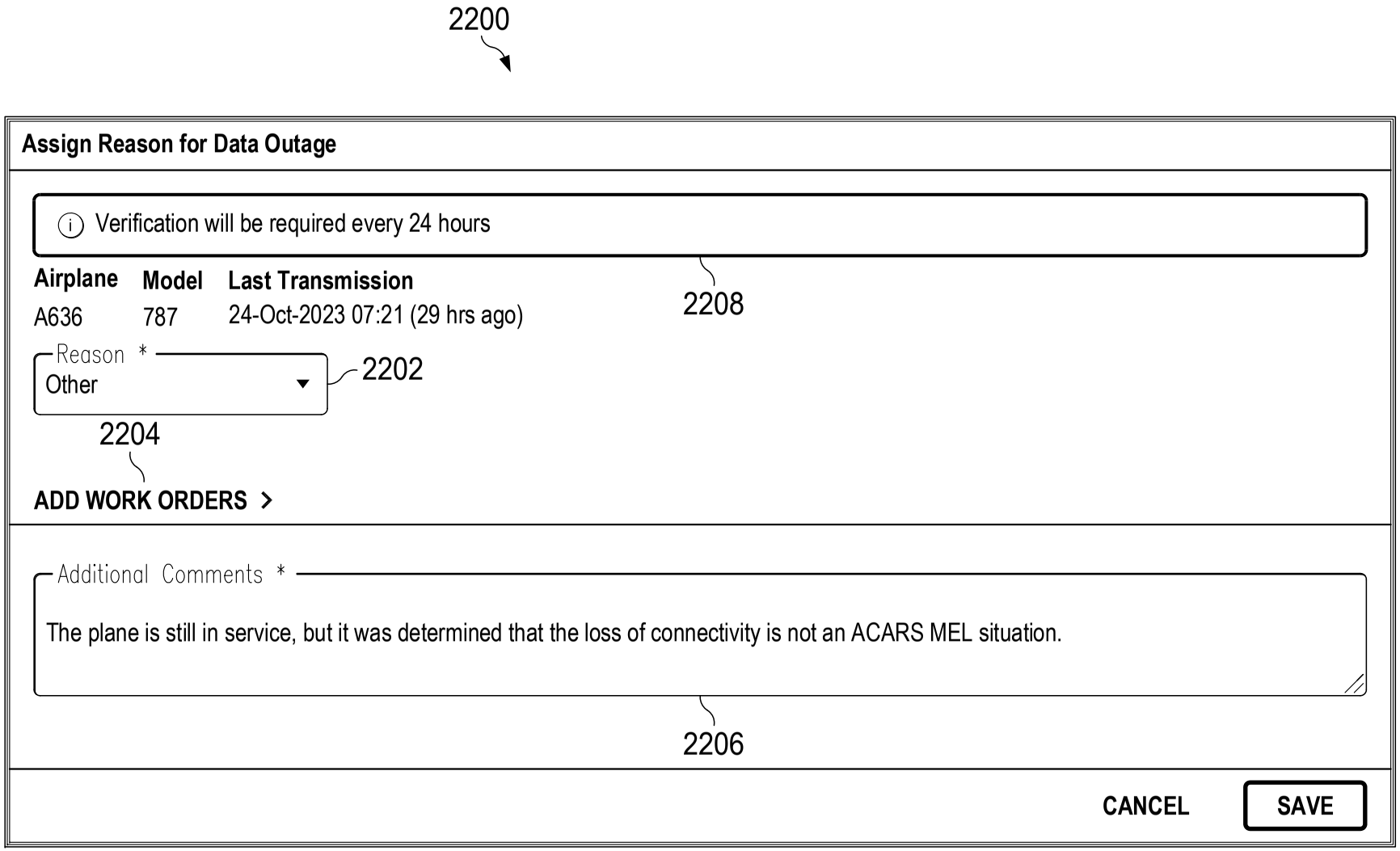

2200
Assign Reason for Data Outage
Verification will be required every 24 hours
2208
Airplane
Model
Last Transmission
A636
787
24-Oct-2023 07:21 (29 hrs ago)
Reason *
Other
2202
2204
ADD WORK ORDERS >
Additional Comments *
The plane is still in service, but it was determined that the loss of connectivity is not an ACARS MEL situation.
2206
CANCEL
SAVE

FIG. 22

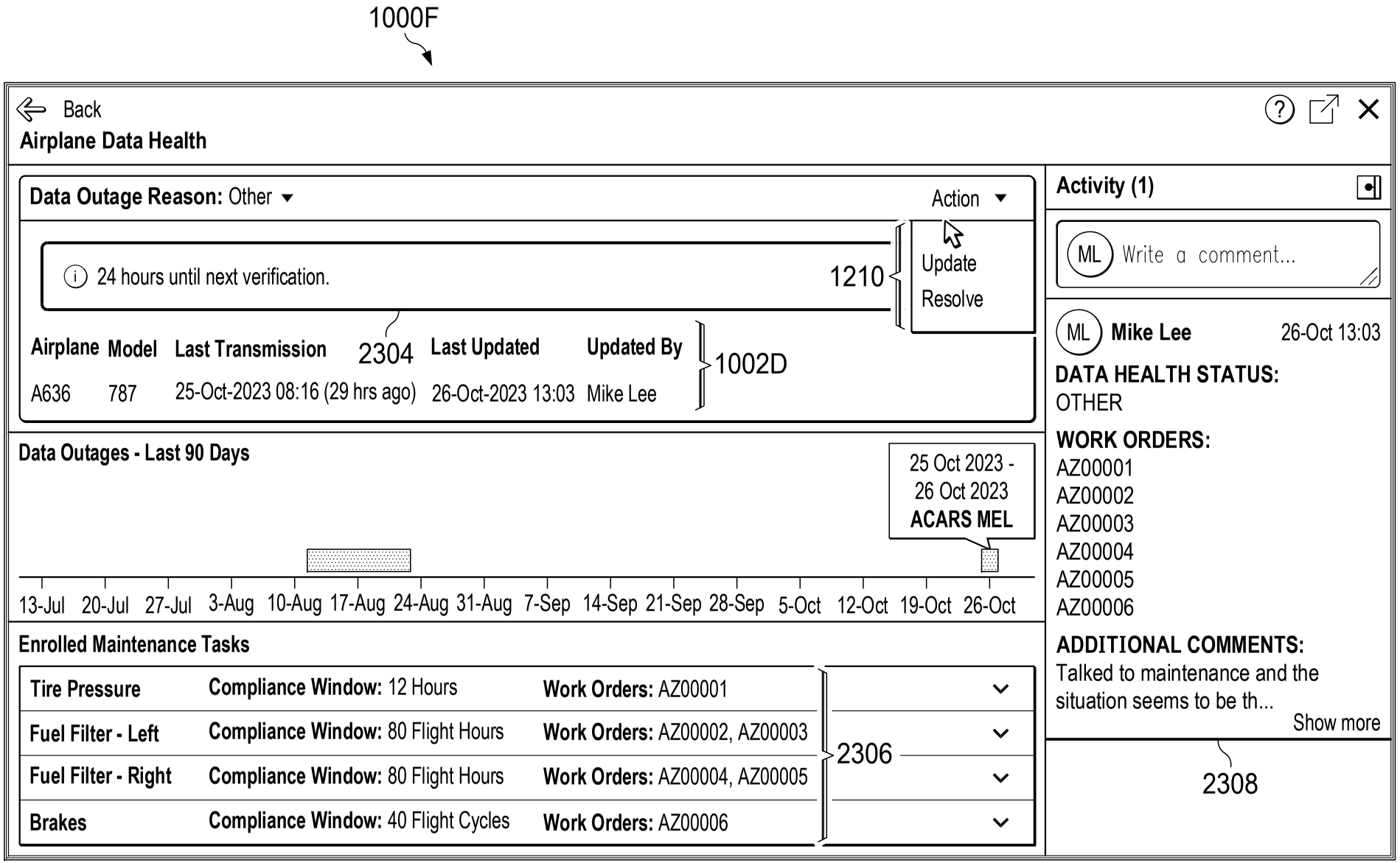

1000F
Back
Airplane Data Health
Data Outage Reason: Other
Action
Update
Resolve
24 hours until next verification.
1210
2304
Airplane Model Last Transmission Last Updated Updated By
A636 787 25-Oct-2023 08:16 (29 hrs ago) 26-Oct-2023 13:03 Mike Lee
1002D
Data Outages - Last 90 Days
25 Oct 2023 - 26 Oct 2023
ACARS MEL
13-Jul 20-Jul 27-Jul 3-Aug 10-Aug 17-Aug 24-Aug 31-Aug 7-Sep 14-Sep 21-Sep 28-Sep 5-Oct 12-Oct 19-Oct 26-Oct
Enrolled Maintenance Tasks
Tire Pressure Compliance Window: 12 Hours Work Orders: AZ00001
Fuel Filter - Left Compliance Window: 80 Flight Hours Work Orders: AZ00002, AZ00003
Fuel Filter - Right Compliance Window: 80 Flight Hours Work Orders: AZ00004, AZ00005
Brakes Compliance Window: 40 Flight Cycles Work Orders: AZ00006
2306
Activity (1)
ML Write a comment...
ML Mike Lee 26-Oct 13:03
DATA HEALTH STATUS:
OTHER
WORK ORDERS:
AZ00001
AZ00002
AZ00003
AZ00004
AZ00005
AZ00006
ADDITIONAL COMMENTS:
Talked to maintenance and the situation seems to be th...
Show more
2308

FIG. 23

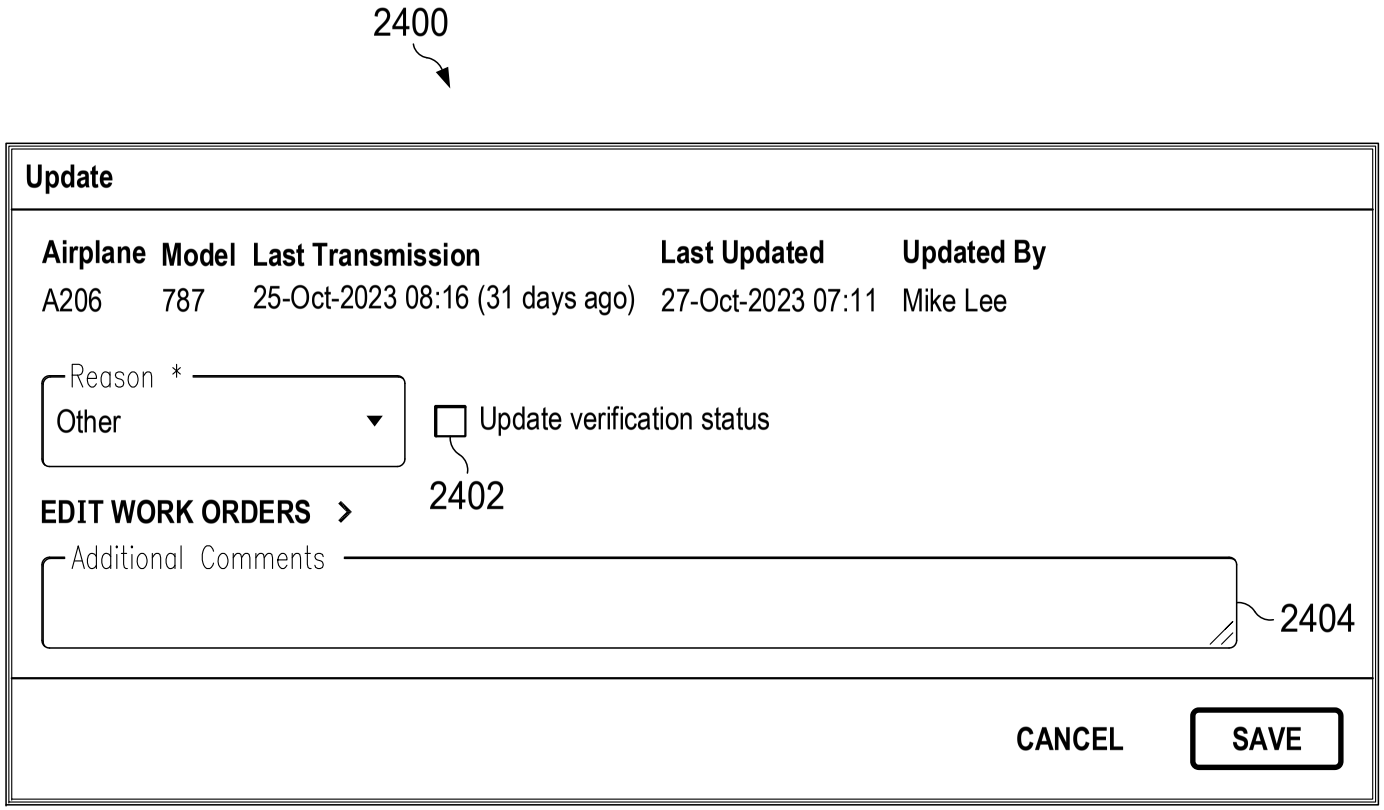

2400
Update
Airplane
Model
Last Transmission
Last Updated
Updated By
A206
787
25-Oct-2023 08:16 (31 days ago)
27-Oct-2023 07:11
Mike Lee
Reason *
Other
Update verification status
2402
EDIT WORK ORDERS >
Additional Comments
2404
CANCEL
SAVE

FIG. 24

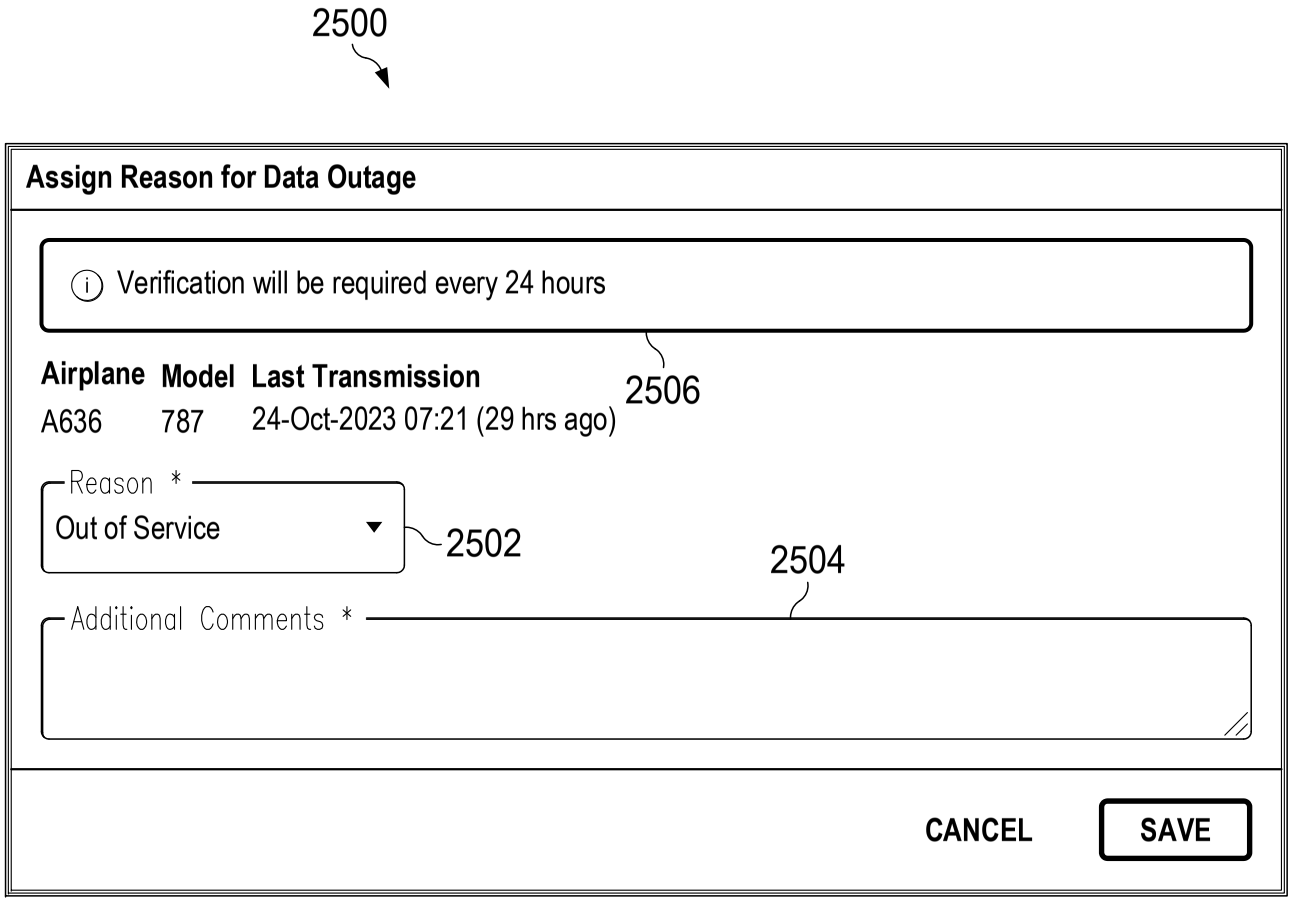

2500
Assign Reason for Data Outage
Verification will be required every 24 hours
2506
Airplane
Model
Last Transmission
A636
787
24-Oct-2023 07:21 (29 hrs ago)
Reason *
Out of Service
2502
2504
Additional Comments *
CANCEL
SAVE

FIG. 25

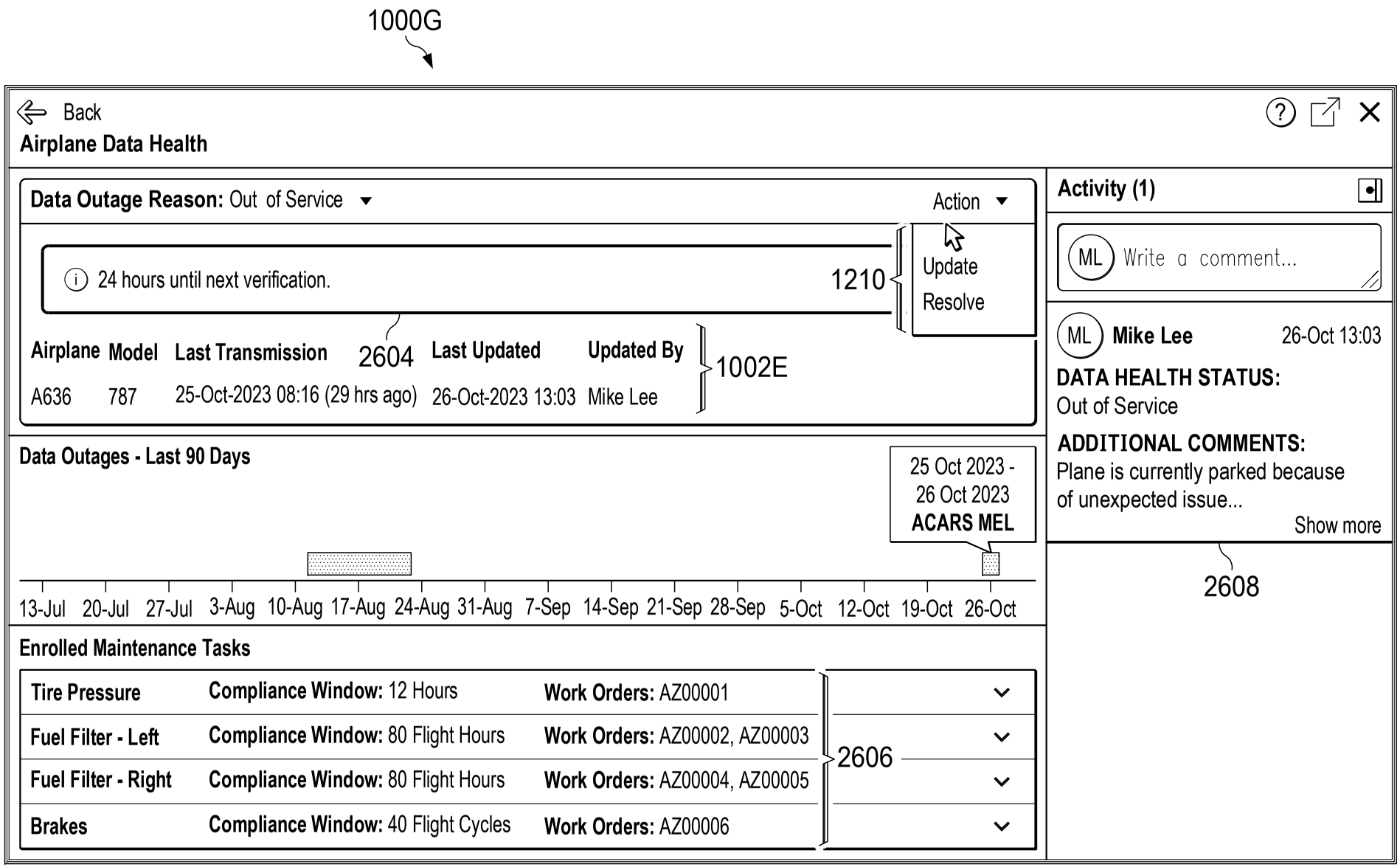

1000G
Back
Airplane Data Health
Data Outage Reason: Out of Service
Action
24 hours until next verification.
1210
Update
Resolve
Airplane Model Last Transmission Last Updated Updated By
A636 787 25-Oct-2023 08:16 (29 hrs ago) 26-Oct-2023 13:03 Mike Lee
2604
1002E
Data Outages - Last 90 Days
25 Oct 2023 - 26 Oct 2023
ACARS MEL
13-Jul 20-Jul 27-Jul 3-Aug 10-Aug 17-Aug 24-Aug 31-Aug 7-Sep 14-Sep 21-Sep 28-Sep 5-Oct 12-Oct 19-Oct 26-Oct
Enrolled Maintenance Tasks
Tire Pressure Compliance Window: 12 Hours Work Orders: AZ00001
Fuel Filter - Left Compliance Window: 80 Flight Hours Work Orders: AZ00002, AZ00003
Fuel Filter - Right Compliance Window: 80 Flight Hours Work Orders: AZ00004, AZ00005
Brakes Compliance Window: 40 Flight Cycles Work Orders: AZ00006
2606
Activity (1)
ML Write a comment...
ML Mike Lee 26-Oct 13:03
DATA HEALTH STATUS:
Out of Service
ADDITIONAL COMMENTS:
Plane is currently parked because of unexpected issue...
Show more
2608

FIG. 26

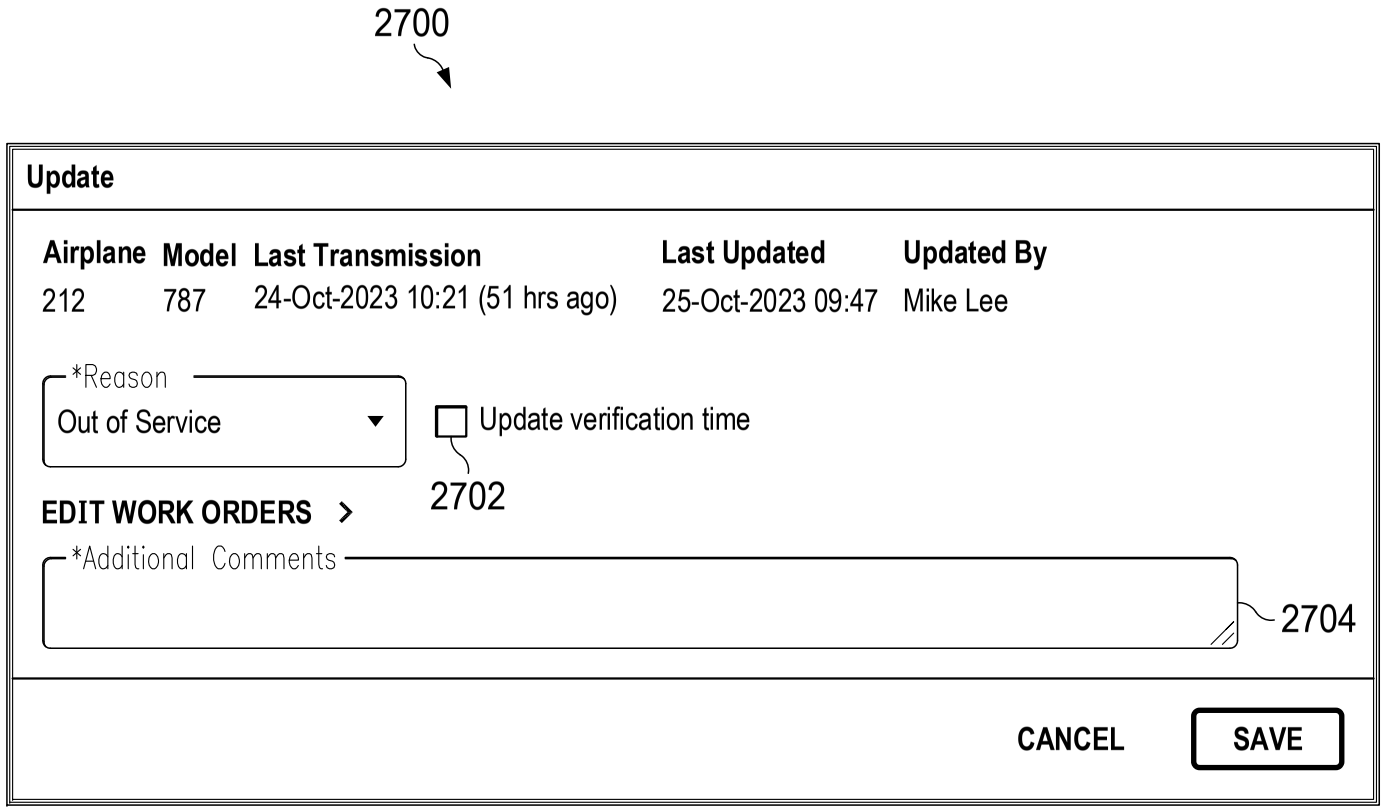

2700
Update
Airplane
Model
Last Transmission
Last Updated
Updated By
212
787
24-Oct-2023 10:21 (51 hrs ago)
25-Oct-2023 09:47
Mike Lee
*Reason
Out of Service
Update verification time
2702
EDIT WORK ORDERS
*Additional Comments
2704
CANCEL
SAVE

FIG. 27

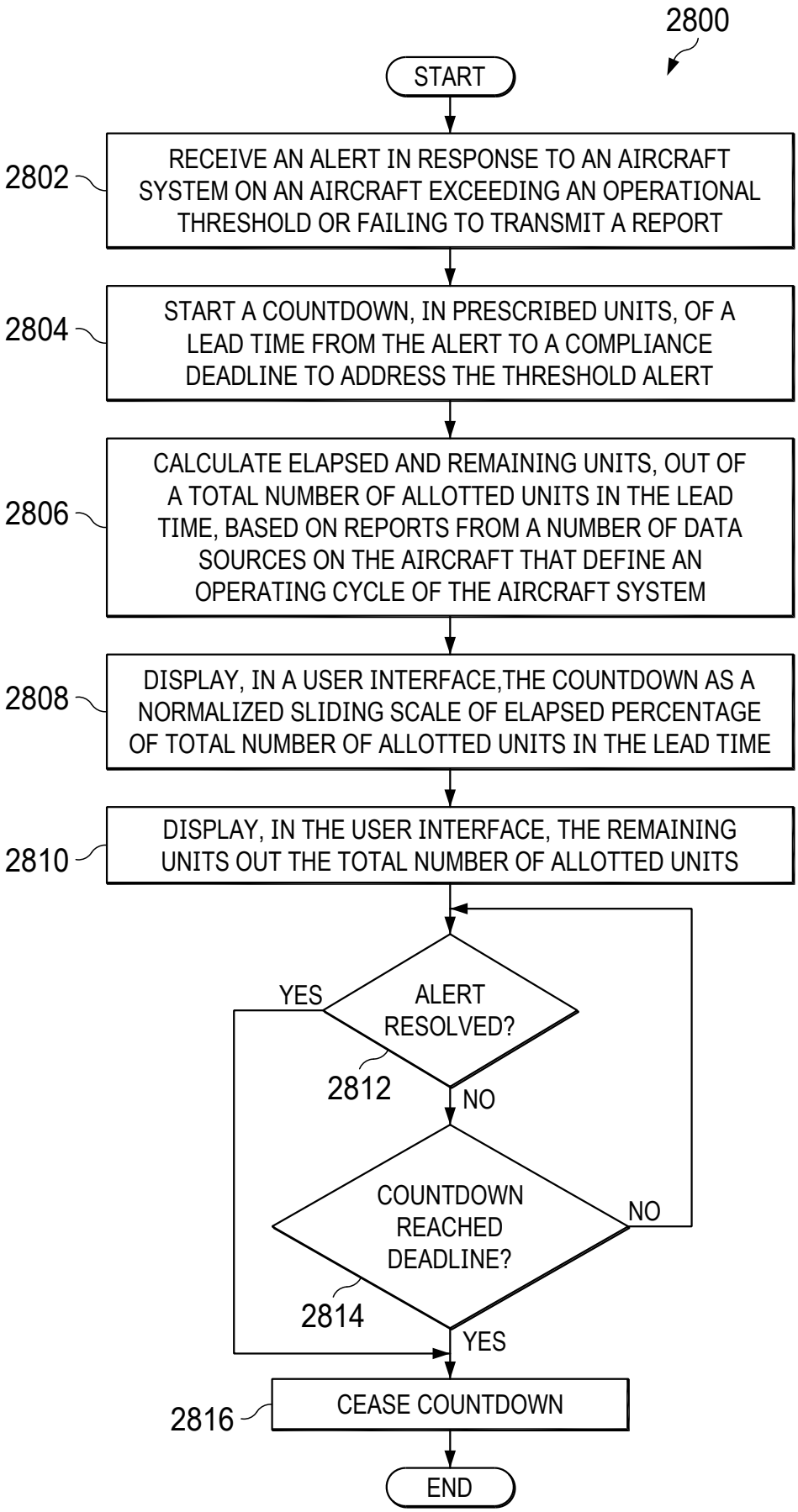

2800
START
2802
RECEIVE AN ALERT IN RESPONSE TO AN AIRCRAFT SYSTEM ON AN AIRCRAFT EXCEEDING AN OPERATIONAL THRESHOLD OR FAILING TO TRANSMIT A REPORT
2804
START A COUNTDOWN, IN PRESCRIBED UNITS, OF A LEAD TIME FROM THE ALERT TO A COMPLIANCE DEADLINE TO ADDRESS THE THRESHOLD ALERT
2806
CALCULATE ELAPSED AND REMAINING UNITS, OUT OF A TOTAL NUMBER OF ALLOTTED UNITS IN THE LEAD TIME, BASED ON REPORTS FROM A NUMBER OF DATA SOURCES ON THE AIRCRAFT THAT DEFINE AN OPERATING CYCLE OF THE AIRCRAFT SYSTEM
2808
DISPLAY, IN A USER INTERFACE,THE COUNTDOWN AS A NORMALIZED SLIDING SCALE OF ELAPSED PERCENTAGE OF TOTAL NUMBER OF ALLOTTED UNITS IN THE LEAD TIME
2810
DISPLAY, IN THE USER INTERFACE, THE REMAINING UNITS OUT THE TOTAL NUMBER OF ALLOTTED UNITS
ALERT RESOLVED?
YES
2812
NO
COUNTDOWN REACHED DEADLINE?
NO
2814
YES
2816
CEASE COUNTDOWN
END

FIG. 28

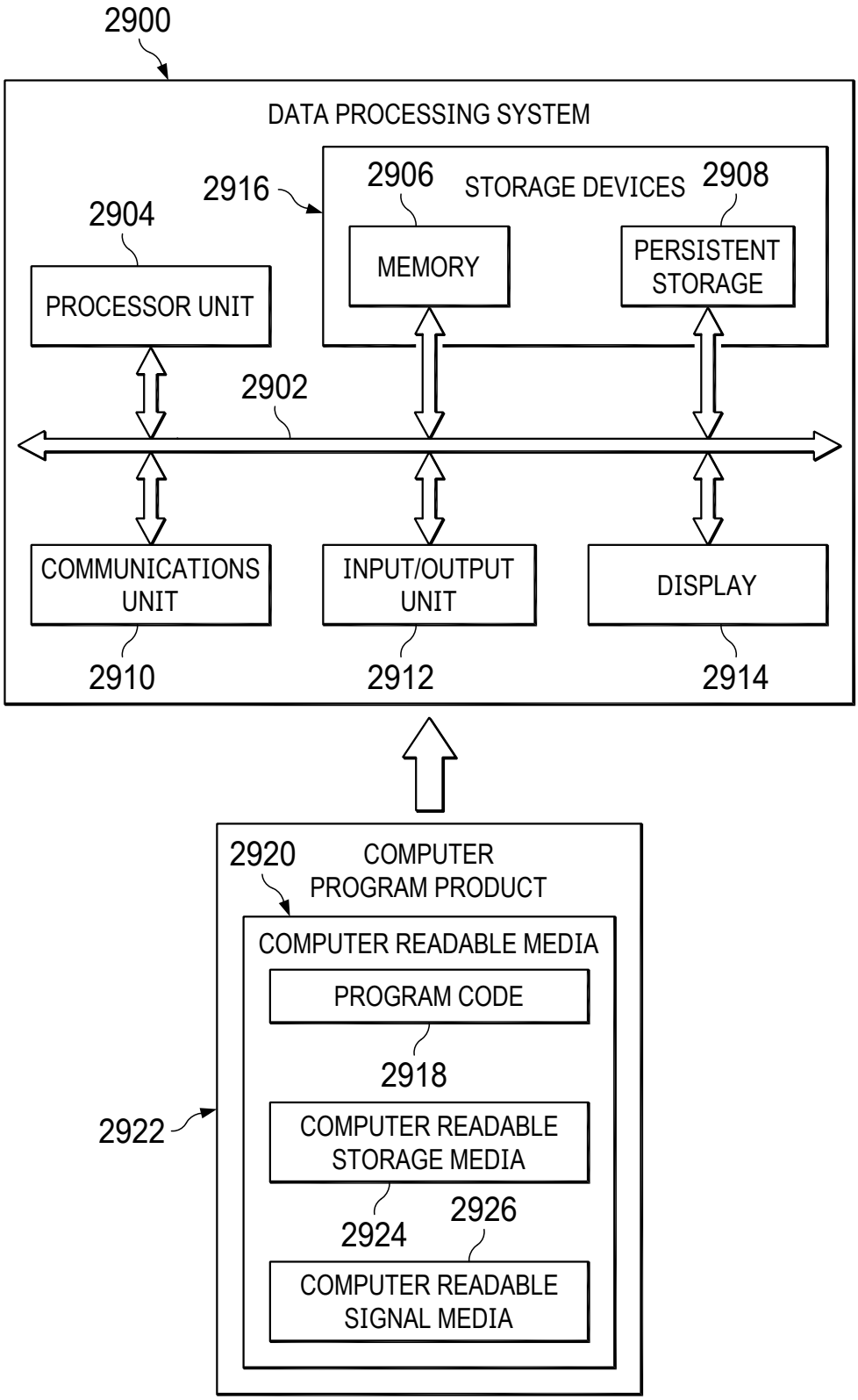

2900
DATA PROCESSING SYSTEM
2916
2906
STORAGE DEVICES
2908
2904
MEMORY
PERSISTENT STORAGE
PROCESSOR UNIT
2902
COMMUNICATIONS UNIT
INPUT/OUTPUT UNIT
DISPLAY
2910
2912
2914
2920
COMPUTER PROGRAM PRODUCT
COMPUTER READABLE MEDIA
PROGRAM CODE
2918
2922
COMPUTER READABLE STORAGE MEDIA
2924
2926
COMPUTER READABLE SIGNAL MEDIA

FIG. 29

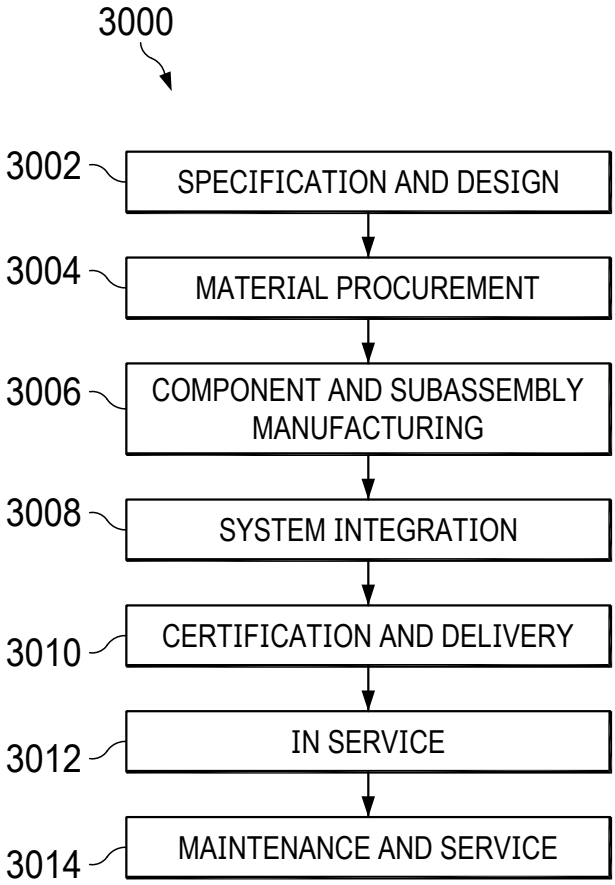

3000
3002
SPECIFICATION AND DESIGN
3004
MATERIAL PROCUREMENT
3006
COMPONENT AND SUBASSEMBLY MANUFACTURING
3008
SYSTEM INTEGRATION
3010
CERTIFICATION AND DELIVERY
3012
IN SERVICE
3014
MAINTENANCE AND SERVICE

FIG. 30

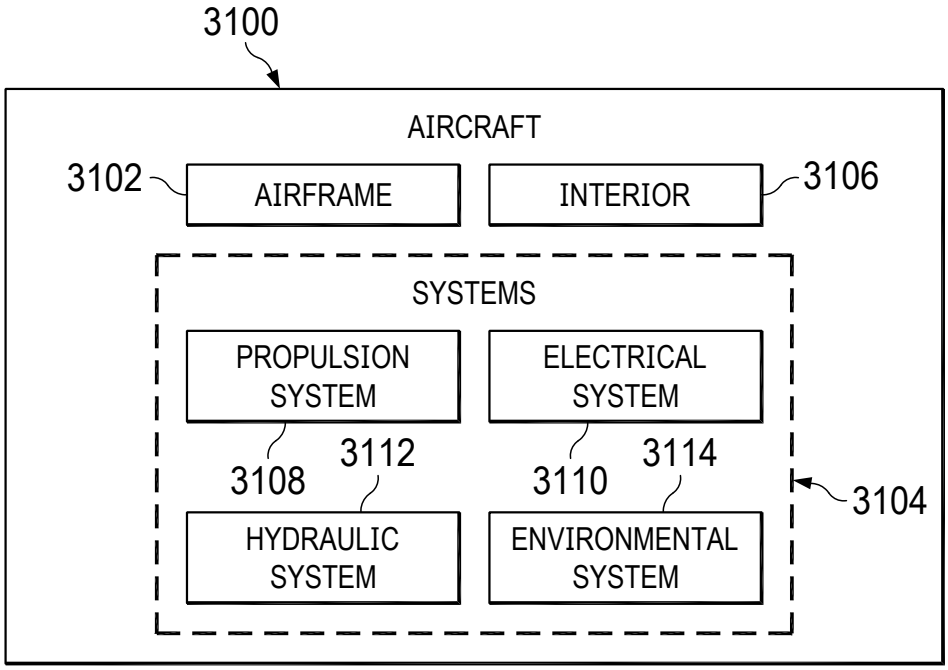

3100
AIRCRAFT
3102
AIRFRAME
INTERIOR
3106
SYSTEMS
PROPULSION SYSTEM
ELECTRICAL SYSTEM
3108
3112
3110
3114
3104
HYDRAULIC SYSTEM
ENVIRONMENTAL SYSTEM

FIG. 31