



AVIATION TECHNICAL CONTENT MANAGER

ALLOWABLE CONFIGURATION ENHANCEMENTS
OVERVIEW

AVIATION & DEFENSE

IFS CLOUD – 21R1

AGENDA



1

BUSINESS
VALUE

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BUSINESS
PROCESS

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SOLUTION
OVERVIEW

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SOLUTION
CONCEPTS

5

KEY
WORKFLOWS

6

SUMMARY



ALLOWABLE CONFIGURATION ENHANCEMENTS

BUSINESS VALUE

Complete Data for ROCK SOLID REAL TIME COMPLIANCE

Speed and Accuracy

Analyses vast number of complex configuration rules quickly and accurately

Completeness

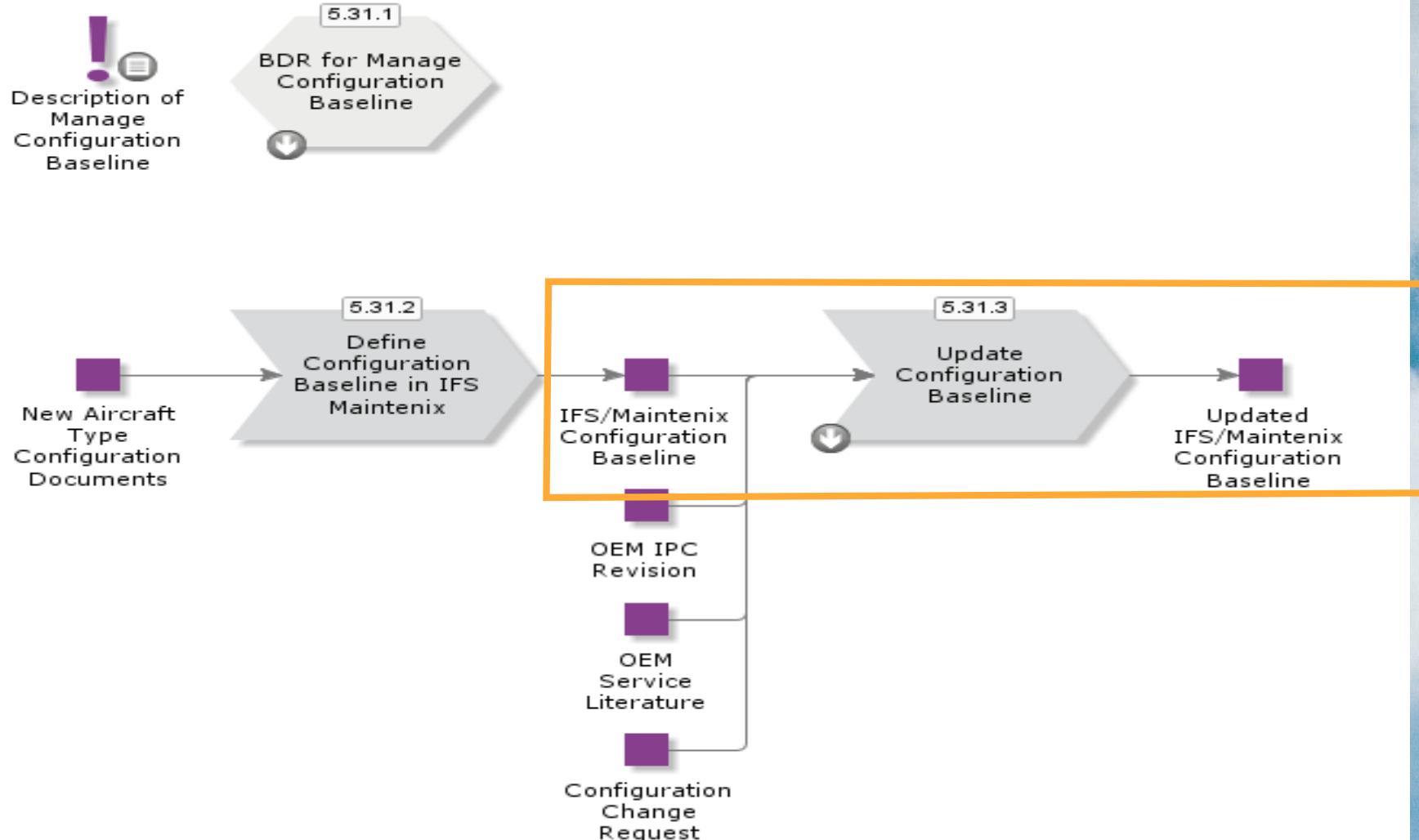
Allows the complete part master → no more part numbers not available to request

Full Synchronization

With the full IPC on-hand, no more inefficiencies due to discrepancies between the IPC and the M&E system

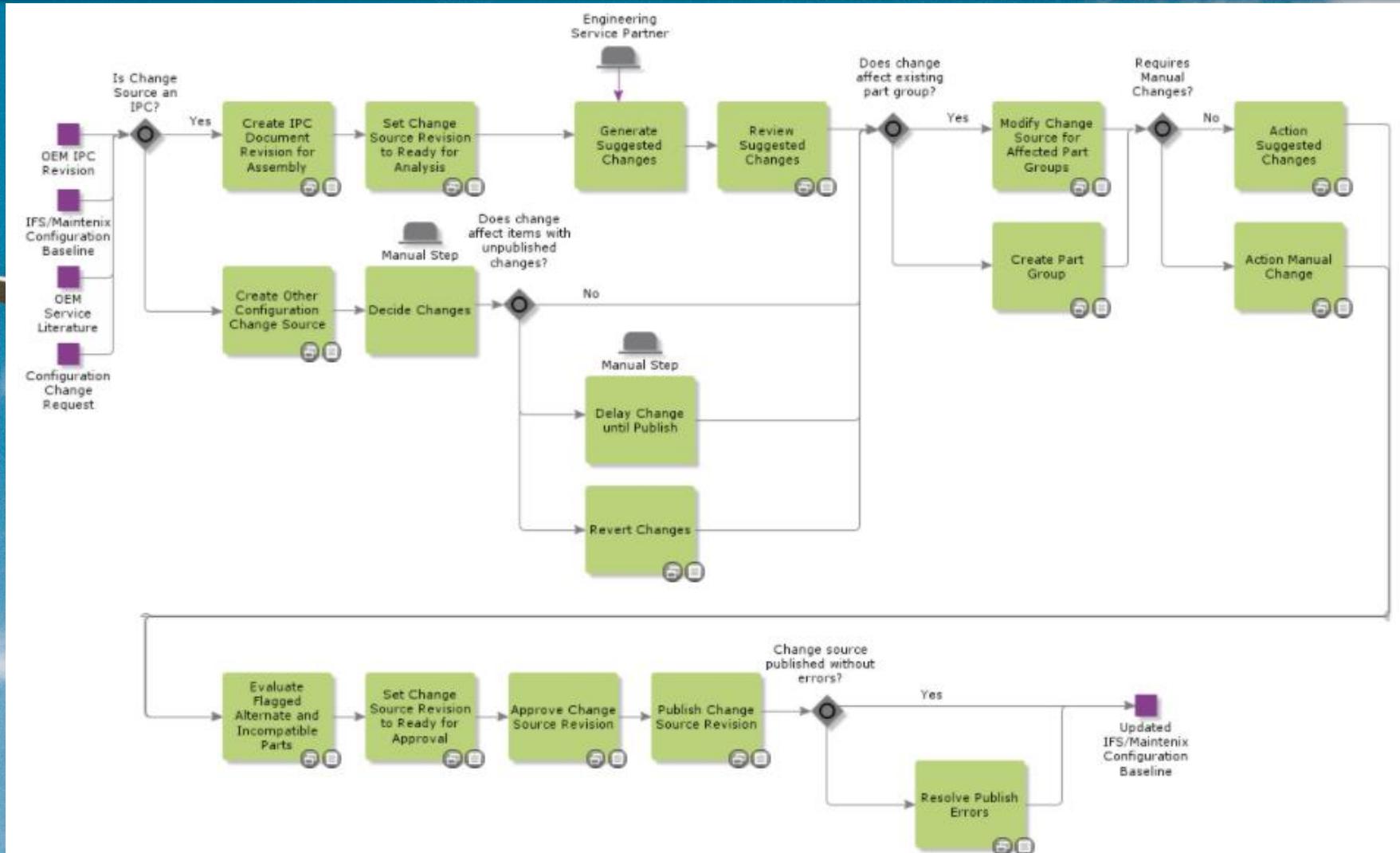
ALLOWABLE CONFIGURATION ENHANCEMENTS

BUSINESS PROCESS



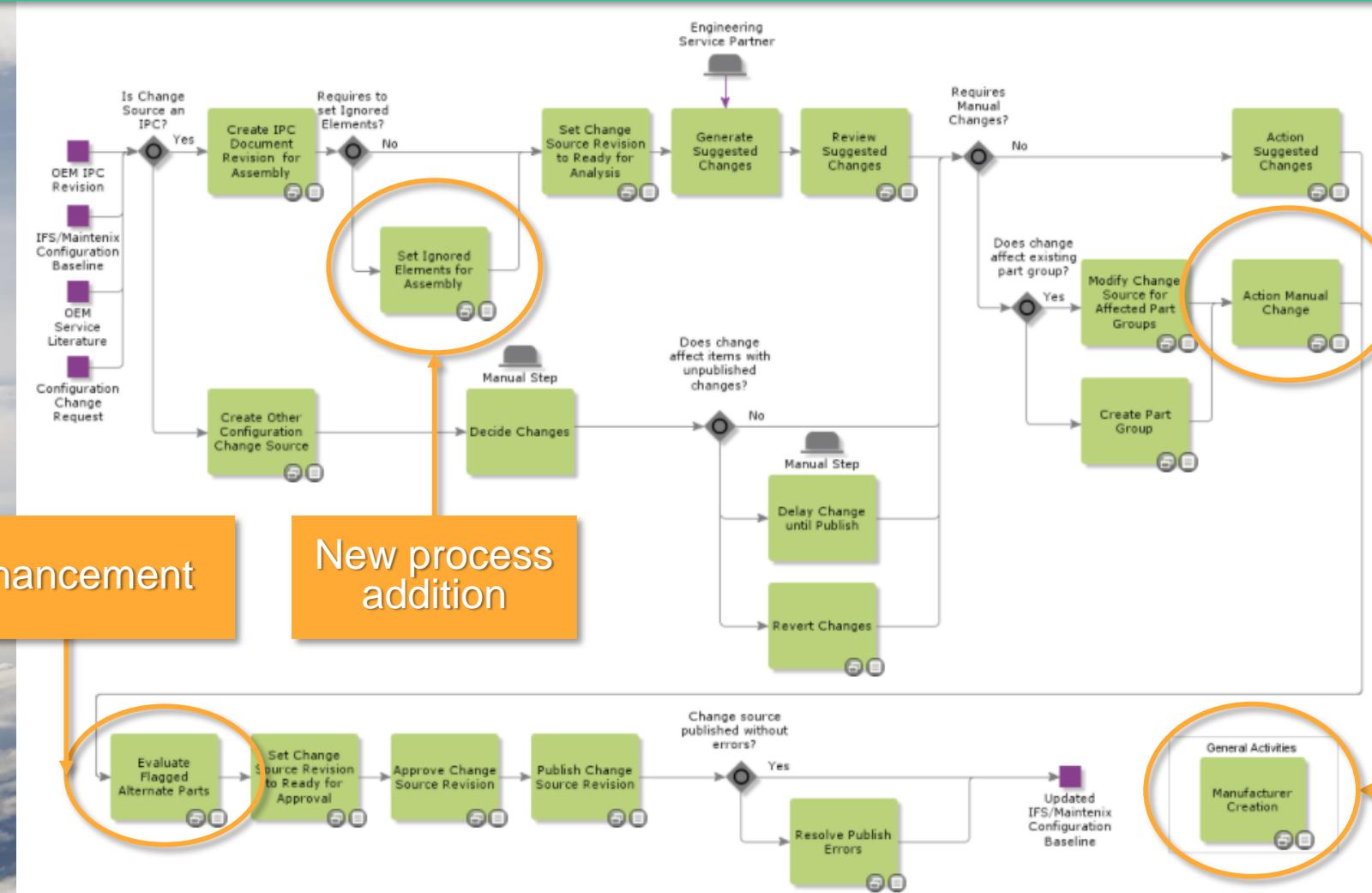
ALLOWABLE CONFIGURATION ENHANCEMENTS

BUSINESS PROCESS – IFS APPS UPD8



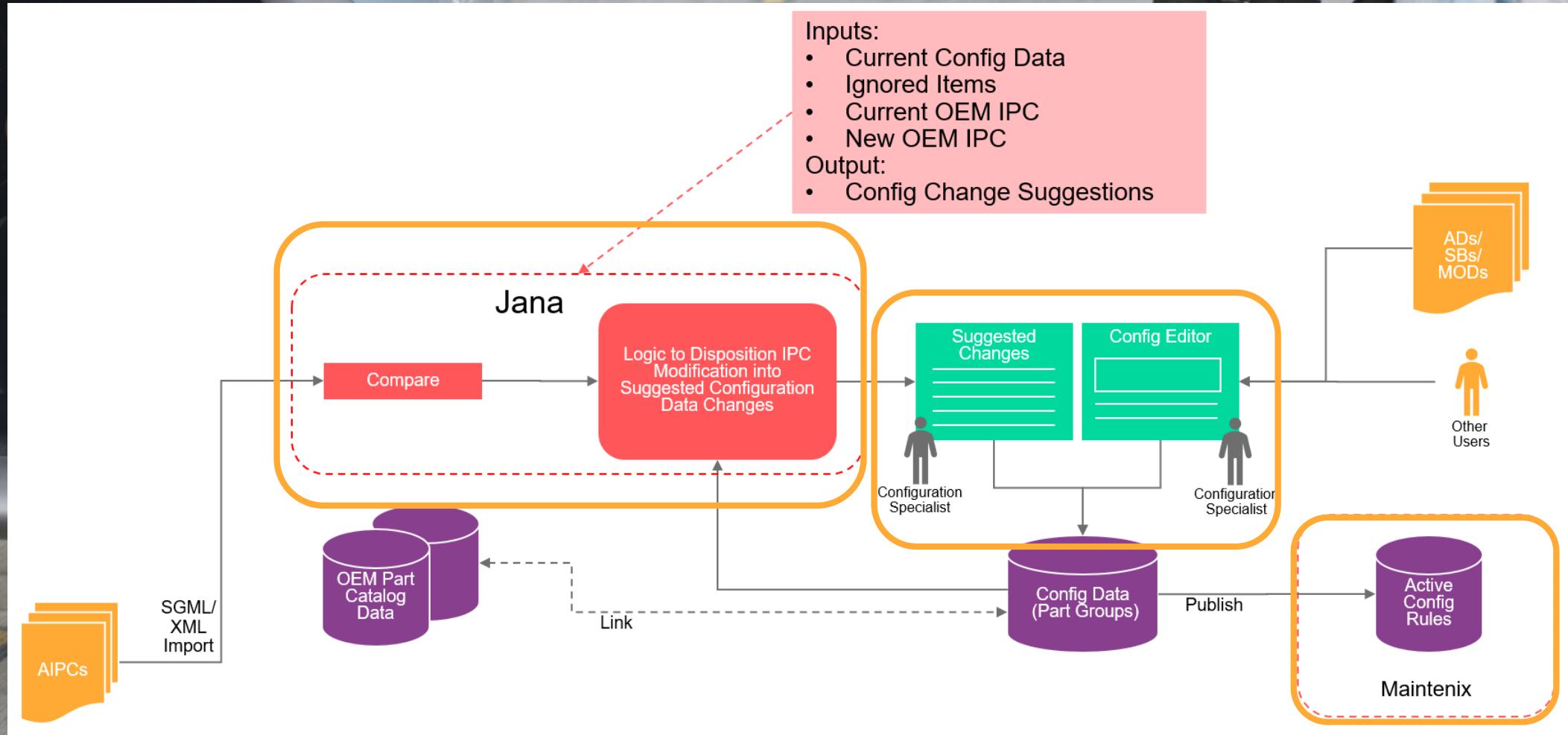
ALLOWABLE CONFIGURATION ENHANCEMENTS

BUSINESS PROCESS - IFS CLOUD 21R1



ALLOWABLE CONFIGURATION ENHANCEMENTS

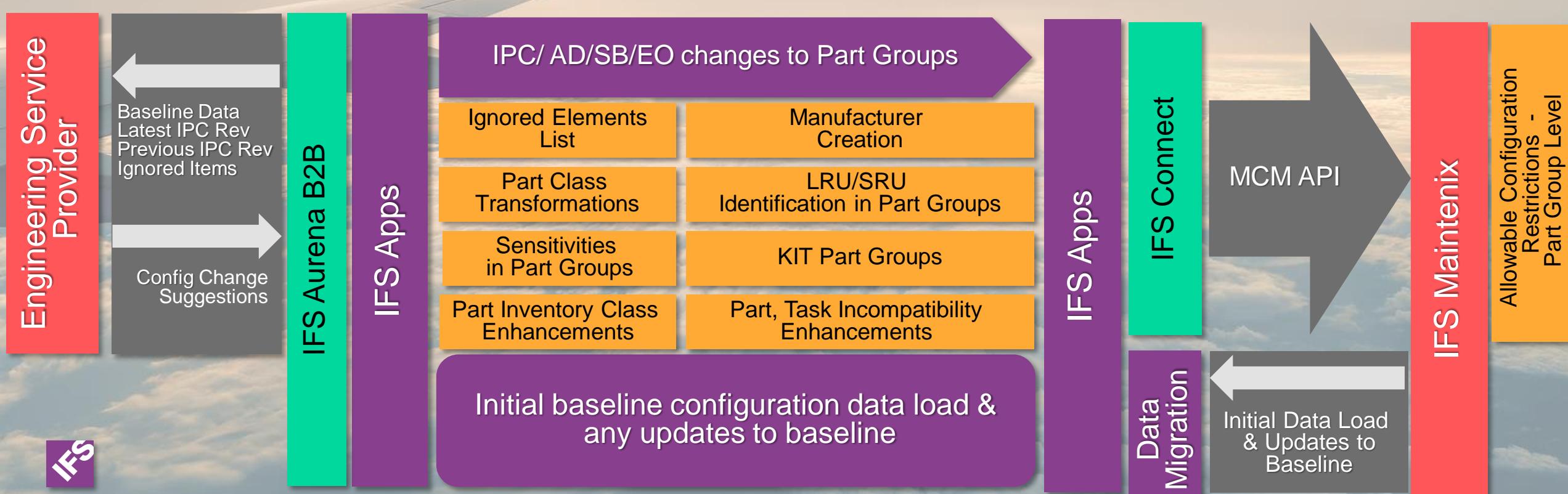
SOLUTION OVERVIEW



ALLOWABLE CONFIGURATION ENHANCEMENTS

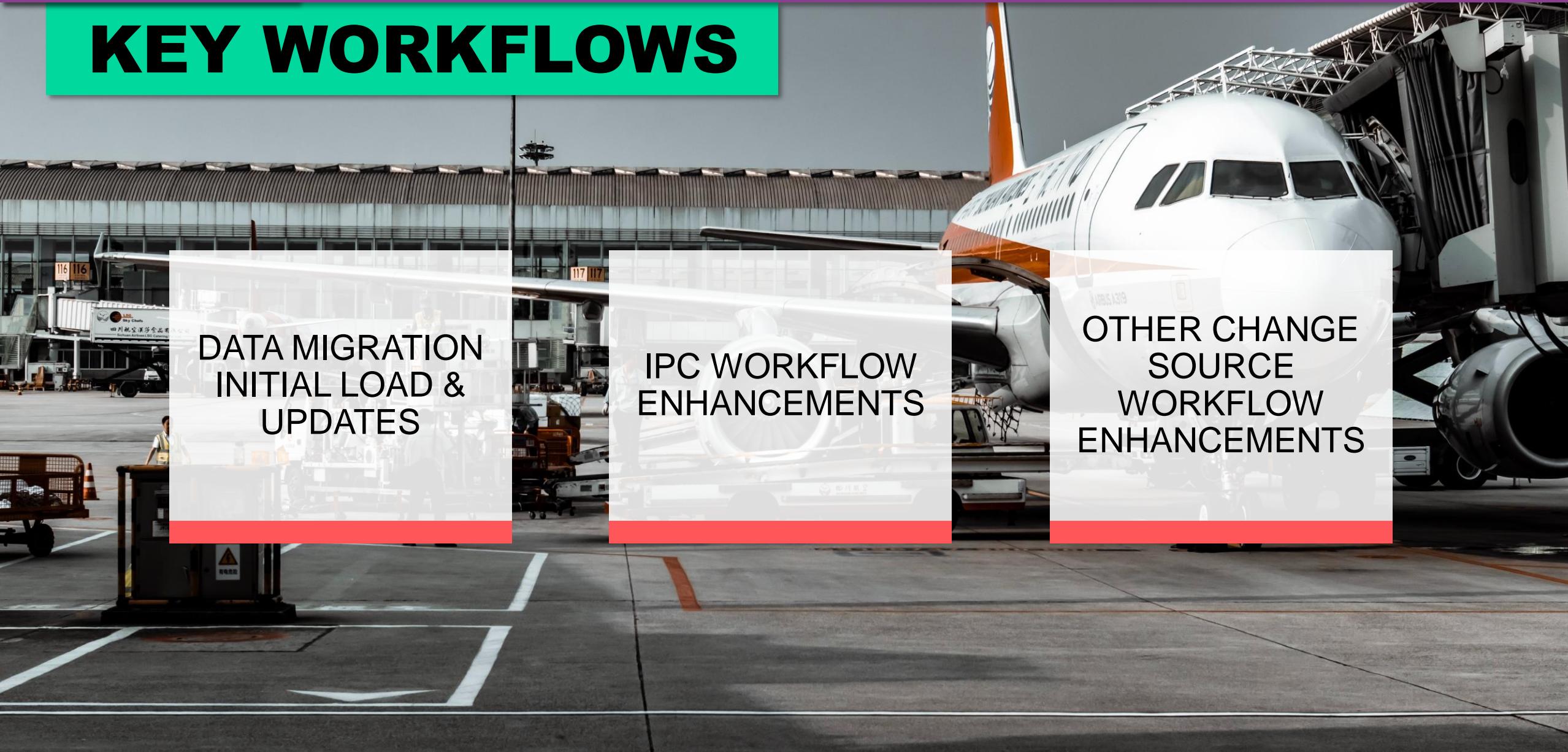
SOLUTION CONCEPT

IFS Cloud 21R1



ALLOWABLE CONFIGURATION ENHANCEMENTS

KEY WORKFLOWS



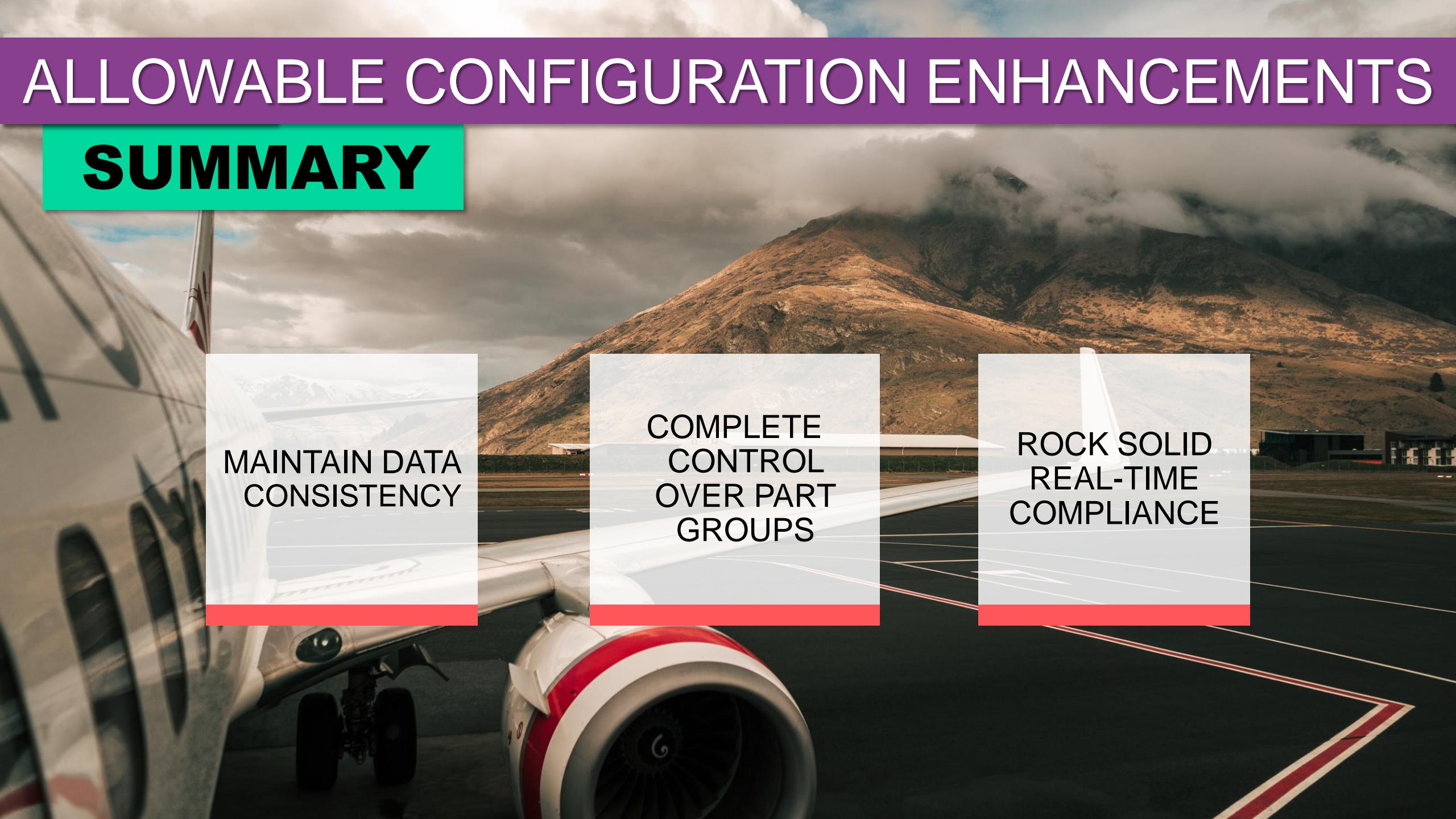
DATA MIGRATION
INITIAL LOAD &
UPDATES

IPC WORKFLOW
ENHANCEMENTS

OTHER CHANGE
SOURCE
WORKFLOW
ENHANCEMENTS

ALLOWABLE CONFIGURATION ENHANCEMENTS

SUMMARY



MAINTAIN DATA
CONSISTENCY

COMPLETE
CONTROL
OVER PART
GROUPS

ROCK SOLID
REAL-TIME
COMPLIANCE



ALLOWABLE CONFIGURATION ENHANCEMENTS

DATA MIGRATION

AVIATION & DEFENSE

IFS CLOUD – 21R1

AGENDA

A wide-angle aerial photograph of a mountain range during sunset or sunrise. The peaks are heavily covered in snow, with sunlight reflecting off the ridges and casting long shadows. The surrounding terrain is rugged and partially obscured by low-hanging clouds or mist.

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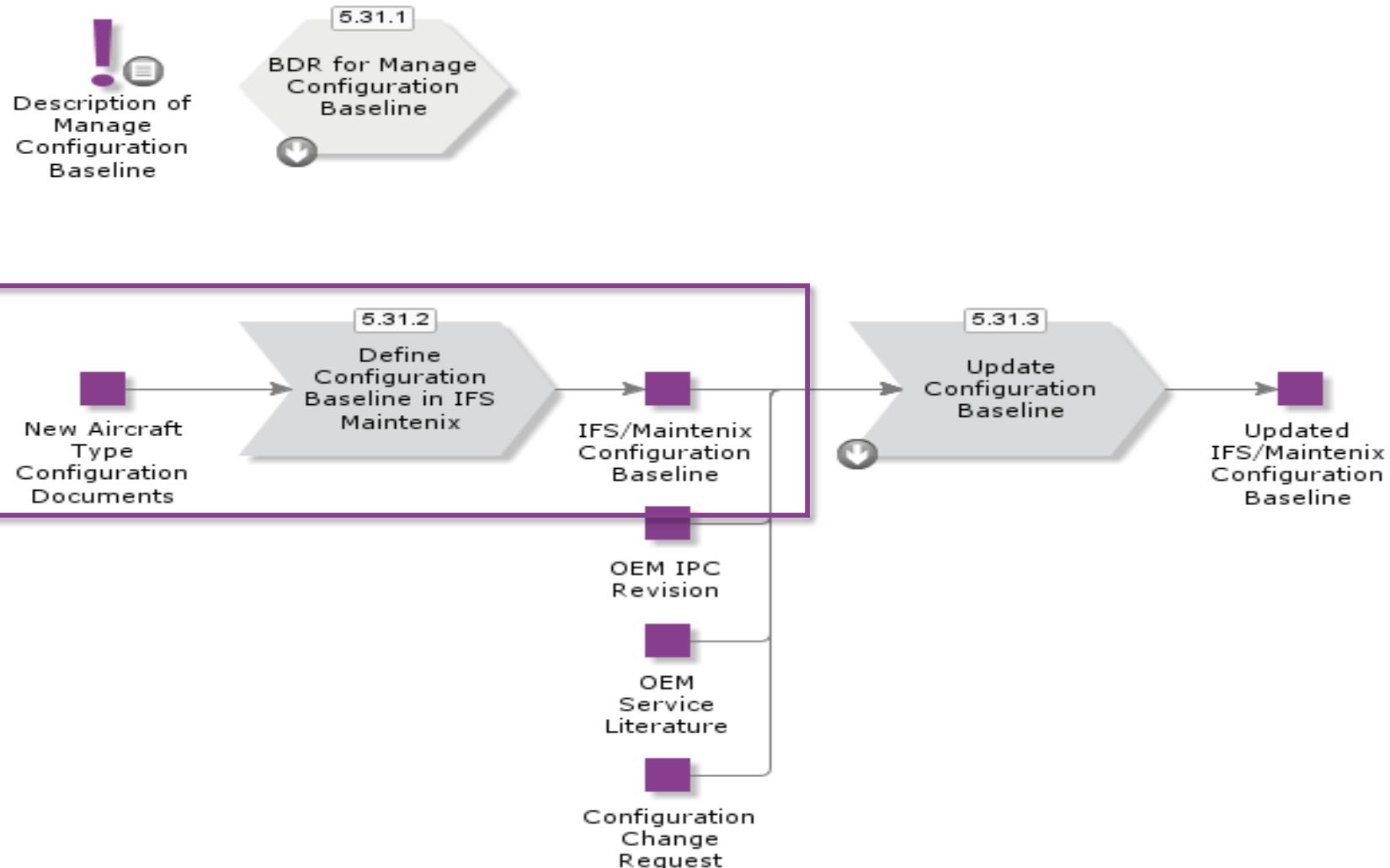
4

SUMMARY



DATA MIGRATION

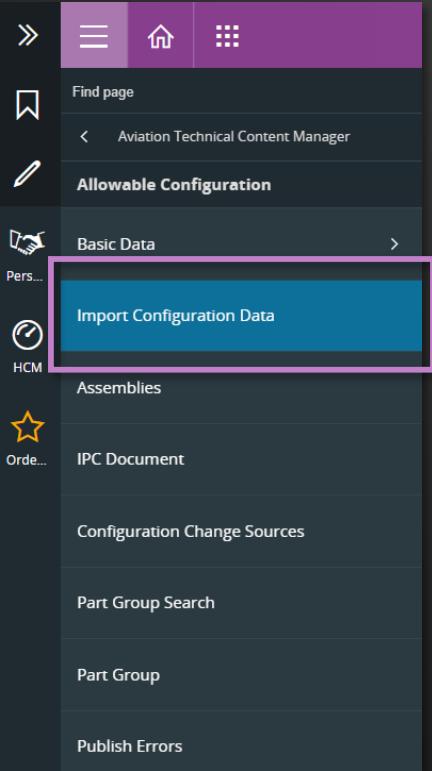
BUSINESS PROCESS



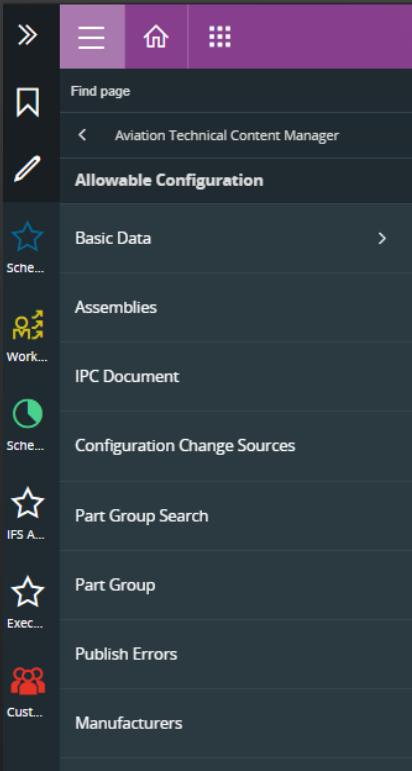
DATA MIGRATION

SOLUTION OVERVIEW

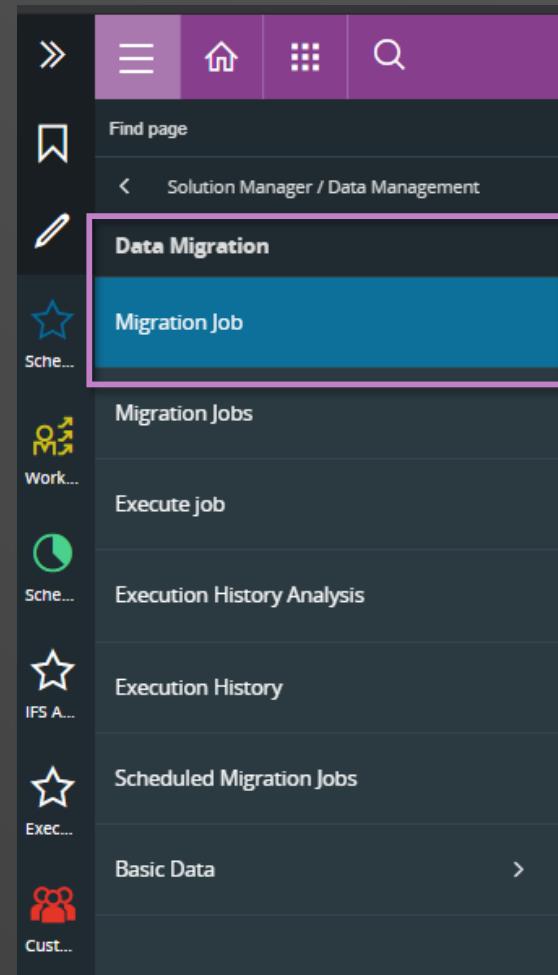
IFS Apps UPD8



IFS Cloud 21R1



IFS Cloud 21R1



Data Migration Tool

Replaced with:

- Import initial data load
- Update changes to baseline
- Support version upgrading

UI feature for initial data load,
introduced as one-time activity,
is removed

DATA MIGRATION

SOLUTION OVERVIEW

Admin To Do List > Administration

Export Configuration Data

Exports configuration data from Maintenix as csv.

Assembly List Fleet List Forecast Models Status Boards License Pending Expired

Migration Job 0100_AC_DATA_LOAD 1 of 14

Job ID: 0100_AC_DATA_LOAD Description: Load data to the Container table from the csv

Procedure Name: CREATE_TABLE_FROM_FILE Direction: File In

Note Text: Upon loading data to this migration job ins... Last Info

View Name: MIG_AC

Migration Job 0150_AC_RUN_ALL_JOBS 2 of 14

Job ID: 0150_AC_RUN_ALL_JOBS Description: Run all jobs starting from AC Data load Procedure Name: MIGRATE_SOURCE_DATA

Direction: Source Migration

Note Text: Load the csv to 0100_AC_DATA_L...

View Name: MIG_AC

Download configuration data CSV file from IFS Maintenix

Migrate CSV file to Allowable Configuration through File Migration Jobs in IFS Cloud 21R1

Run background job to import data to Allowable Configuration through File Migration Jobs in IFS Cloud 21R1



IFS



SOFTWARE DEMONSTRATION

DATA MIGRATION

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ALLOWABLE CONFIGURATION ENHANCEMENTS

IPC WORKFLOW ENHANCEMENTS

AVIATION & DEFENSE

IFS CLOUD – 21R1

AGENDA

An aerial photograph of a mountain range during sunset or sunrise. The peaks are covered in snow, and the sunlight reflects off the slopes, creating a warm, orange glow against the cool blues and purples of the surrounding sky and clouds.

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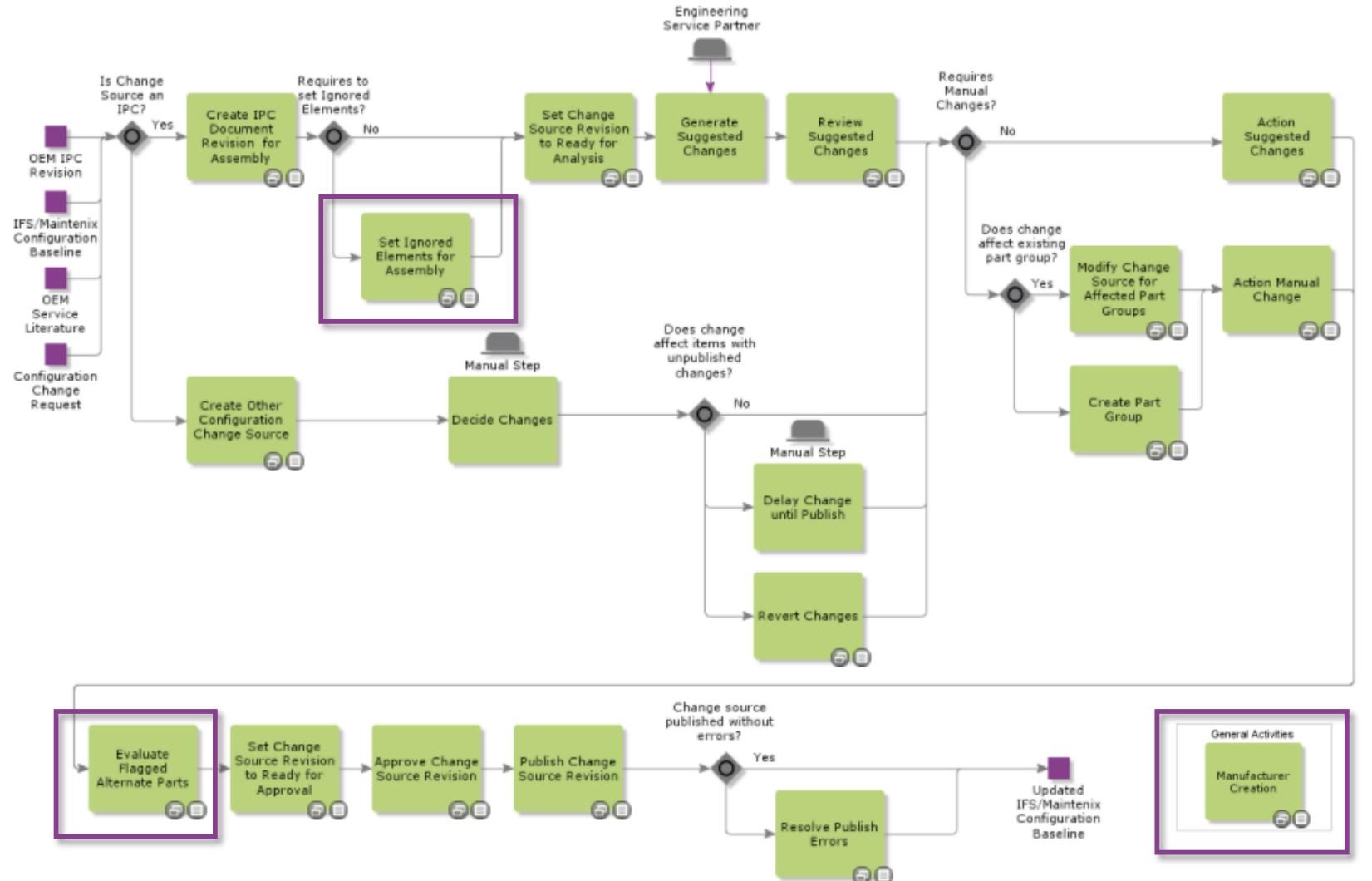
4

SUMMARY



IPC WORKFLOW ENHANCEMENTS

BUSINESS PROCESS



IPC WORKFLOW ENHANCEMENTS

SOLUTION OVERVIEW



Select elements of ATA chapters to ignore for change suggestions from ESP from 2nd revision of IPC

Generate JSON file listing ignored elements

A screenshot of a software interface titled 'Ignored Elements'. The interface shows a table with four columns: Ipc Code, Ipc Name, Assm Code, and Assm Name. The data in the table is:

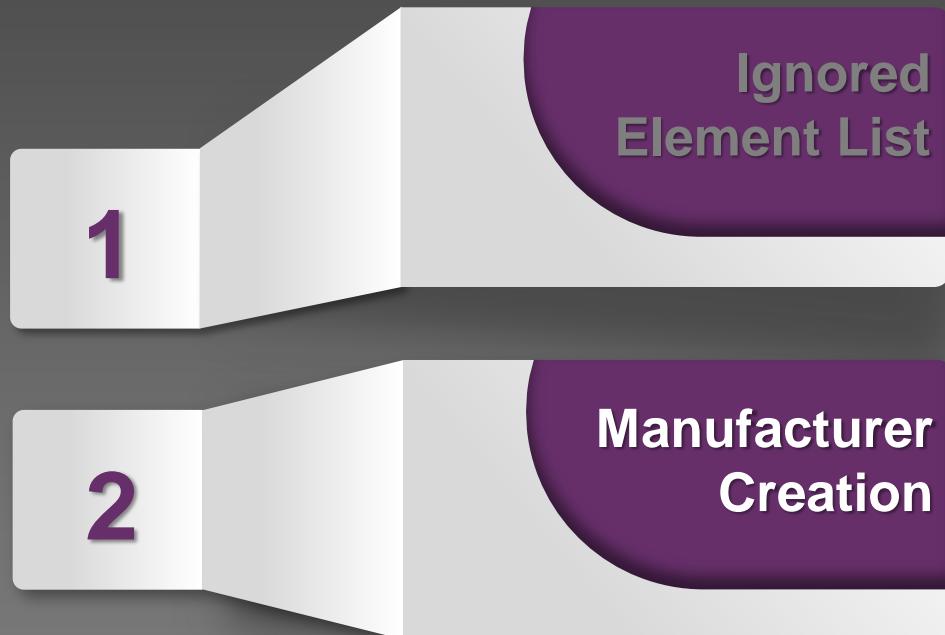
Ipc Code	Ipc Name	Assm Code	Assm Name
IPC1	IPC 1	F-2000	Falcon 2000

Below the table is a navigation bar with tabs: CHAPTERS, SECTIONS, UNITS, FIGURES, and ITEMS. The CHAPTERS tab is selected. At the bottom of the interface, there are filters for Chapter Code, Chapter Name, Ignored, and Deleted.

A screenshot of a software interface titled 'Json File Generation Options'. It contains two toggle switches. The first toggle is labeled 'Generate Baseline' and is turned on (blue switch). The second toggle is labeled 'Generate Ignored Elements List' and is turned off (grey switch). A purple oval highlights the 'Generate Ignored Elements List' toggle.

IPC WORKFLOW ENHANCEMENTS

SOLUTION OVERVIEW



Select elements of ATA chapters to ignore for change suggestions from ESP from 2nd revision of IPC

Generate JSON file listing ignored elements

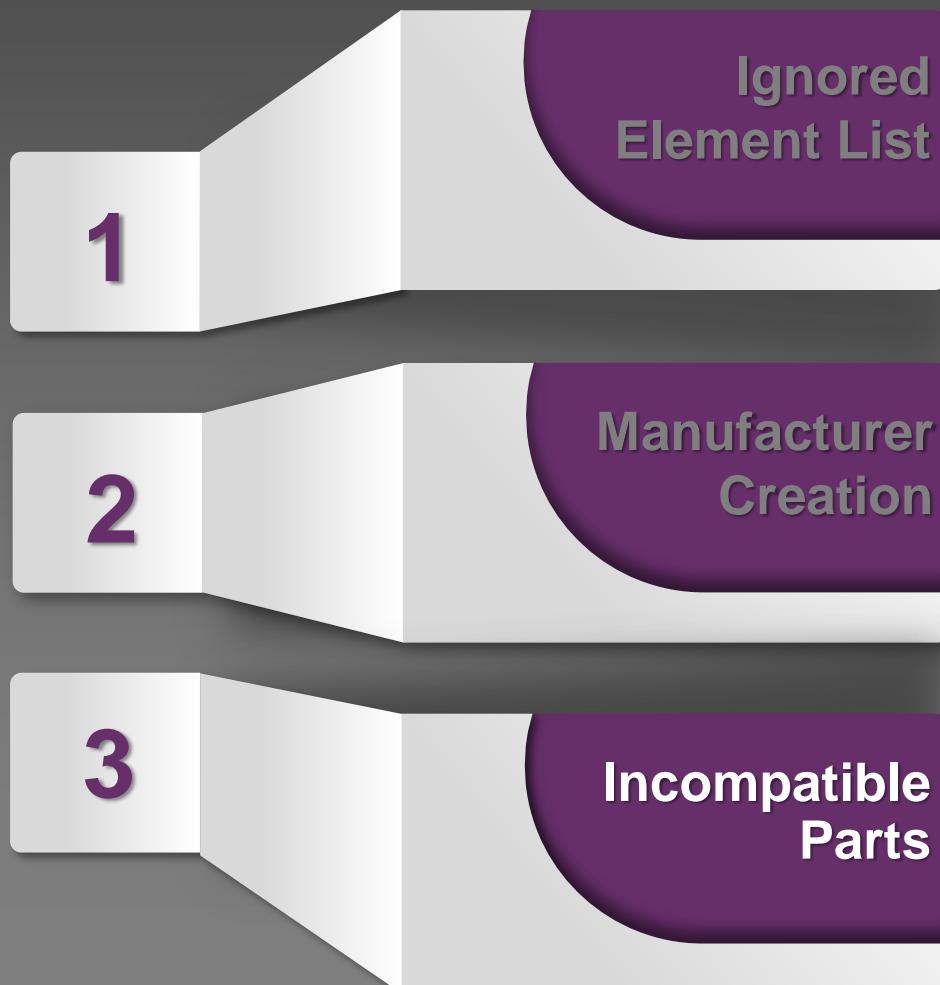
Automatic creation of new manufacturers stated in JSON change suggestions

Reflect changes to IFS Maintenix

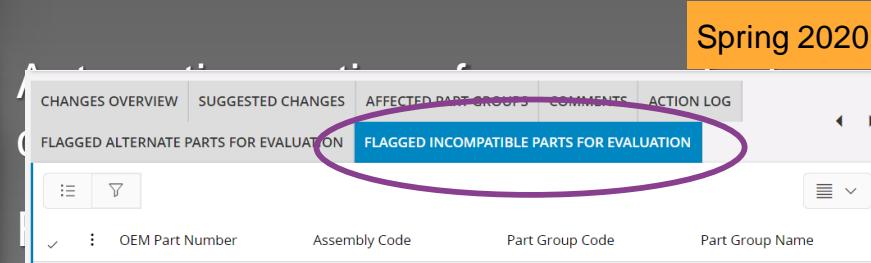
Manufacturer Code	Manufacturer Name
00000	ALLEGHANY LUDLUM
001	3M
13023	Butler In Flight Entertainment
27914	BENDIX AVIONICS DIV.
31218	AMI INDUSTRIES
500935	MED AIRE
51563	Goodrich Aerostructures
56135	C & D ZODIAC
81982	HYDRO-AIRE

IPC WORKFLOW ENHANCEMENTS

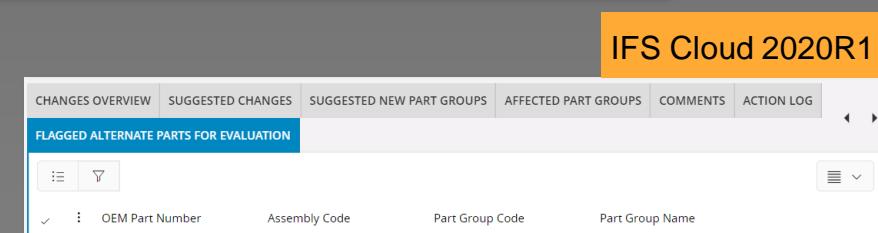
SOLUTION OVERVIEW



Manual attachment of the change source to incompatible parts...



...stated in JSON
...converted to auto-attach



Automatically attach change source to part group



IFS



SOFTWARE DEMONSTRATION

IPC WORKFLOW ENHANCEMENTS

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ALLOWABLE CONFIGURATION ENHANCEMENTS

OTHER CHANGE SOURCE WORKFLOW ENHANCEMENTS

AVIATION & DEFENSE

IFS CLOUD – 21 R1

AGENDA

A wide-angle aerial photograph of a mountain range during sunset or sunrise. The peaks are heavily covered in snow, with sunlight reflecting off the ridges and casting long shadows. The surrounding terrain is rugged and partially obscured by low-hanging clouds or mist.

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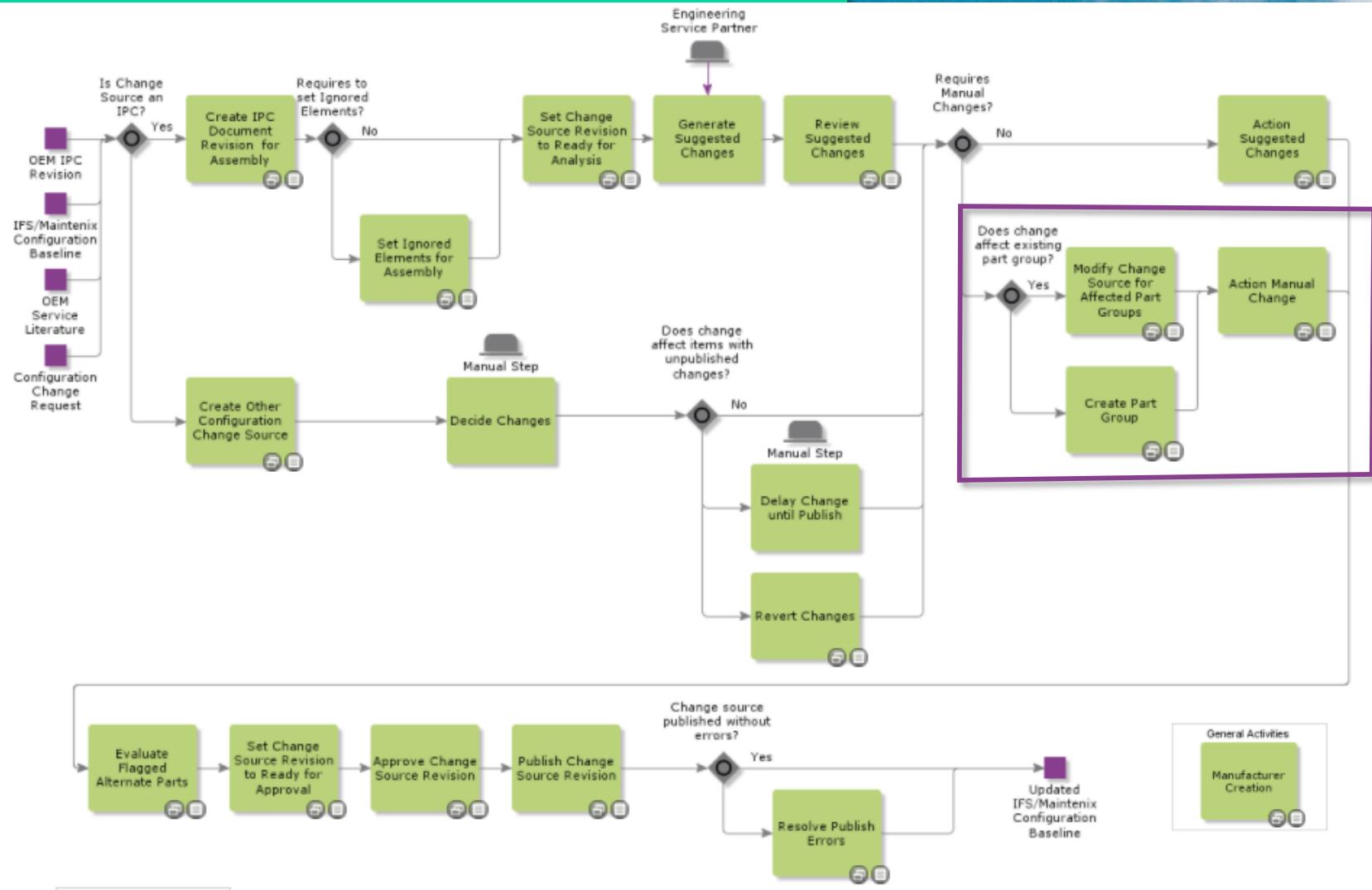
4

SUMMARY



OTHER CHANGE SOURCE WORKFLOW

BUSINESS PROCESS



OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

1. Part inventory class transformation & enhancements

- Promote or demote alternate parts in a part group
- Enhanced inventory class filter when assigning a part to a part group
- Reflect changes to IFS Maintenix

2. Sensitivities in part Groups

- View sensitivities assigned to Assemblies
- Edit sensitivities assigned to part groups
- Reflect changes to IFS Maintenix

3. LRU/SRU identification in part Groups

- Edit LRU/SRU identification of part groups
- Reflect changes to IFS Maintenix

4. Kit Part groups & Manufacturer Enhancements

- Create a Kit Part group
- Assign a Kit part
- Create/Assign Manufacturer
- Reflect changes to IFS Maintenix

OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

Part inventory
class
transformation &
enhancements

1

Promote or demote alternate parts in a part group
Enhanced inventory class filter when assigning a
part to a part group
Reflect changes to IFS Maintenix

OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

Part inventory
class
transformation &
enhancements

1

Sensitivities
in part groups

2

View sensitivities assigned to assemblies
Edit sensitivities assigned to part groups
Reflect changes to IFS Maintenix

OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

Part inventory
class
transformation &
enhancements

1

Sensitivities
in part groups

2

LRU/SRU
identification
in part groups

3

Edit LRU/SRU identification of part groups
Reflect changes to IFS Maintenix

OTHER CHANGE SOURCE WORKFLOW

SOLUTION OVERVIEW

Create a kit part group
Assign a kit part
Create/assign manufacturer
Reflect changes to IFS Maintenix

1

Part inventory
class
transformation &
enhancements

2

Sensitivities
in part groups

3

LRU/SRU
identification
in part groups

4

Kit part groups &
manufacturer
enhancements



IFS



SOFTWARE DEMONSTRATION

OTHER CHANGE SOURCE WORKFLOW

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#forthechallengers

