



YOUR CENTRAL SOURCE FOR DATA EXCHANGE

Transitioning from Pro/I to Aras



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FOCUS INNOVATION SOLUTION CHALLENGE PARTNERSHIP INTEGRATION

MCAD Data Migration – Key Factors

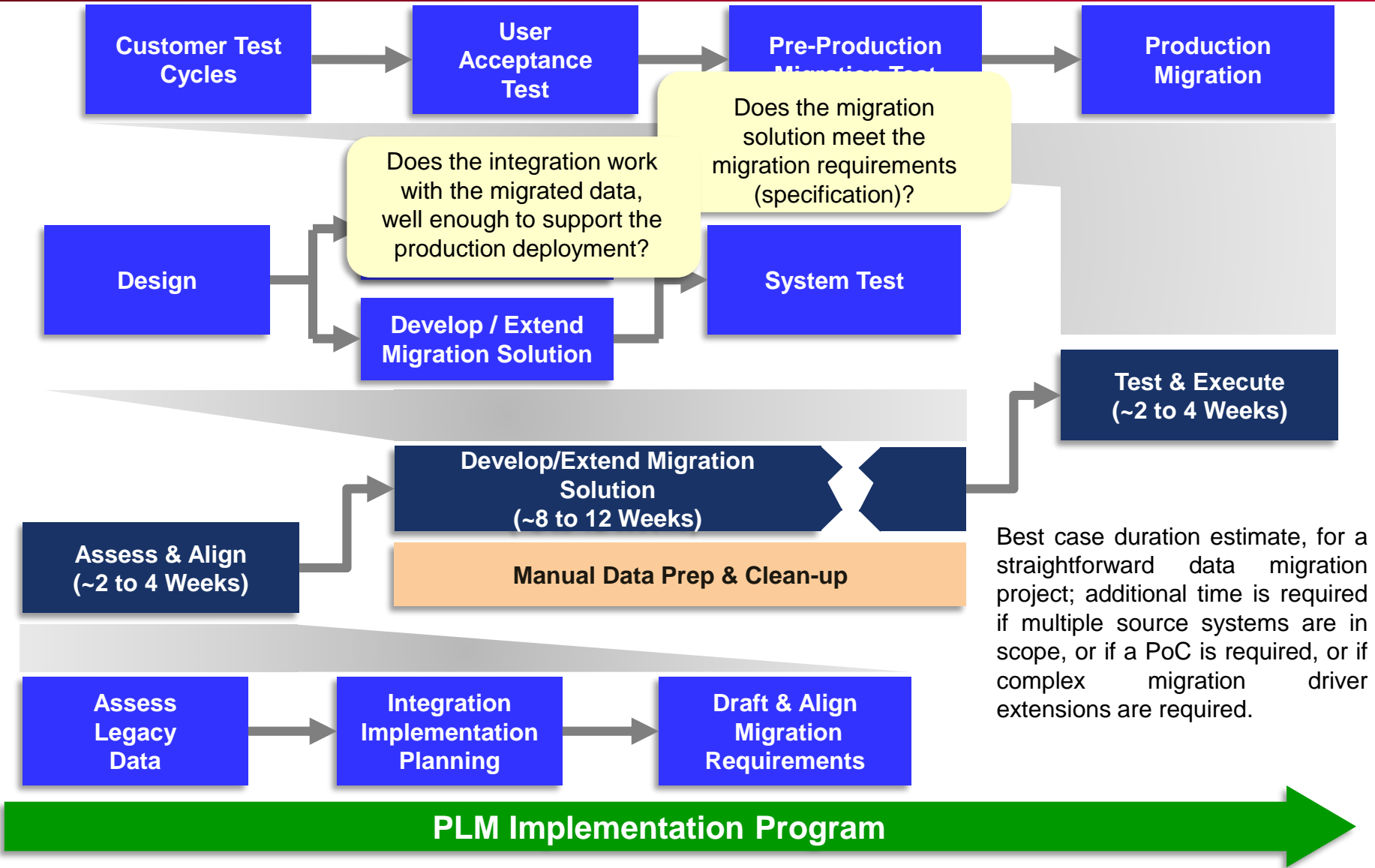
- **Data Migration Data Scope**
 - ❑ CAD files, derived output, other documents, E-BoM parts, E-BoM attributes, ECR/ECO items, etc.
- **Data Migration Strategy**
 - ❑ PDM vs. Unmanaged
 - ❑ Big bang vs. Contained waves vs. Incremental by program
- **Data Migration Rev/Ver Scope**
 - ❑ Absolute latest only, with legacy PDM archive vs. all revisions
- **Duplicate Reconciliation Strategy**
 - ❑ Preserving master vs. slave
- **CAD File Rename**
 - ❑ Pending rename resolution and/or mass rename requirements
- **Metadata Mapping**
 - ❑ Users, roles, attributes, etc.
- **Revision Mapping**
 - ❑ Will there be a change in MCAD lifecycle & revision policy
- **E-BoM & CAD Alignment**
 - ❑ Integrated vs. Separate
- **CAD Alignment with Released Drawing Images**
 - ❑ Is CAD derived output stored with native CAD data vs. separate document mgt. system
- **CAD Object Name/PN Origination/Assignment**
 - ❑ Use native name vs. align with ERP
- **Multi-CAD Support**
 - ❑ Single CAD vs. Separate CAD implementation vs. Hybrid structures
- **3D Part/Structure Visualization**
 - ❑ Derive requisite data as pre-migration or post-migration

MCAD Data Migration - Strategies

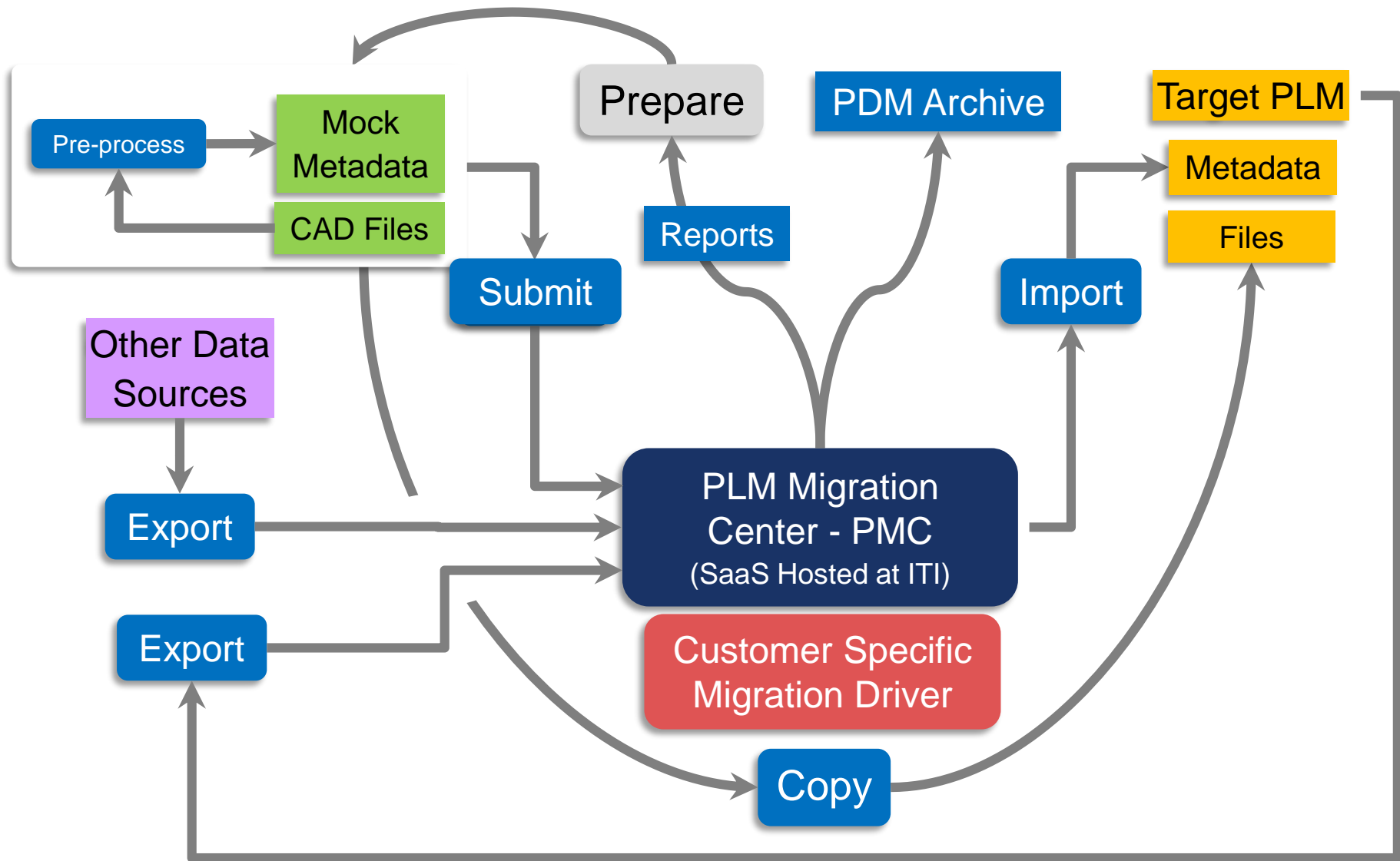
- **Interactive Check-in (less than ~500 “top” structures)**
 - ❑ Find, “clean/prep”, load “top” structures into MCAD, check-in to PLM
 - ❑ Slow, cumbersome, labor intensive, minimal issues
- **Batch Check-in / Bulk Load**
 - ❑ Find, “clean/prep”, develop sequencing strategy
 - ❑ Very difficult to automate the proper sequence, MCAD applications typically don’t run well in repeated batch processing manner
 - ❑ Assumes production bulk load utility - not recommended
- **Managed PDM to PLM Migration**
 - ❑ “Clean/Prep”, extend migration tools to support specific requirements, execute multi-step, metadata-driven migration to PLM
- **Mock PDM to PLM Migration**
 - ❑ Collect, organize, “clean/prep”, pre-process MCAD files and build temporary (mock) metadata, then execute metadata-driven migration

***** In each case, migrate latest, archive all *****

MCAD Data Migration - Project Approach



MCAd Data Migration – Tool Set



MCAD Data Migration – Legacy Data Archive

Stand-alone, JAVA based application, that runs in a web-browser; Search, navigate, and download previously archived PDM//CAD data.

Search

- ✓ Search by wildcard name
- ✓ Advanced search by type, name, revision, attributes, or date
- ✓ Query complete object properties

Navigate

- ✓ Top-level objects
- ✓ Child dependencies and where-used
- ✓ Instances within a family table
- ✓ Revisions/Versions of an object
- ✓ Support for as-stored & Latest configurations

Download

- ✓ Recursive copy of all files needed for a given object

The screenshot shows the search interface with the following fields and options:

- Name:** Search input field
- Revision:** Search input field
- Attributes:** Search input field with example text: "e.g. name=CAD Type" and "and"
- Folder:** Search input field
- Max results:** Input field with value "100"
- Type:** Dropdown menu with options: "Any Type", "ExtRef", "ProE Versi", "ProE Versi"
- Show As:** Button with "Sto" visible

The screenshot shows the CAD Archive interface for object ID 47395917. The main content area displays the following information:

47395917 ProE Versioned Assembly 1.1

[Attributes](#) [Children](#) [Where Used](#)

Object Information

| Item | Value |
|------------------|--|
| Object ID | 33555959 |
| Name | 47395917 |
| Type | ProE Versioned Assembly |
| Rev | 1.1 |
| Policy | Versioned Design Policy |
| Create Date | 2000-09-20 06:16:10 |
| Modify Date | 2000-09-20 06:16:11 |
| State | Preliminary |
| Database Name | na1 |
| Folder | gl/2911_ivcwpsjdiuvoh |
| File Host | jabldg |
| Stored File Name | 47395917.asm.2 |
| Actual File Name | 47395917.asm |
| File Path | /mol/gen/gen_eclot_qspevdufqi/2911_ivcwpsjdiuvoh |

Buttons: [Show As Stored Files](#) [Show Latest Files](#) [Download As Stored](#) [Download Latest](#)

Attributes

| Name | Value |
|----------------|------------|
| Alt Par Num | 47395917-1 |
| Classification | Unknown |

As Stored

| Object ID | File Path | File Name |
|-----------|---|--------------------------------|
| 33555959 | | |
| 33555948 | | |
| 33555950 | /mol/gen/gen_eclot_qspevdufqi/2911_ivcwpsjdiuvoh/31416713 prt.2 | 31416713 prt.2 |
| 33555961 | /mol/gen/gen_eclot_qspevdufqi/2911_ivcwpsjdiuvoh/47395113 prt.1 | 47395113 prt.1 |



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Raising the Value of Your Product Data

Ensure CAD
Model Quality

Maximize CAD
Model Re-use

Facilitate Global
Product
Development

Enable Engineering
Supply Chain
Data Exchange

Product Data Integration & Interoperability Solutions