

How to call an Article?

PDM/PLM project 2nd informative session

Current SmarTeam terminology

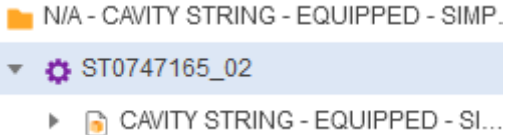
- CERN has tuned SmarTeam before implementation to get this terminology:

The screenshot displays a hierarchical tree structure in SmarTeam. Annotations on the left and right identify specific elements:

- Item:** Points to the top-level folder icon.
- Documents:** Points to the sub-items within the folder.
- (CAT)Product:** Points to the item `ST1000597_01 | RH87-Blindage+Support 2018 | a.02 | | Released | | Simplified | For Inte`.
- (CAT)Drawing:** Points to the item `ST1000597_03 | RH87-FIRST SHIELDING + SUPPORT TCDIH87939 SET | a.00 |`.
- (CAT)Part:** Points to the item `ST1050041_01 | Steel plate 240x250 th=10mm | a.00 | LHCJT18_0003 | Released | |`.

Default Aras terminology

- Everything in Aras is an Item!
- "Part" is used to name a specific Itemtype, corresponding to "Article" ("Item" in SmarTeam)



- A CAD Document describing a single piece (CATPart file) is called "Mechanical/Part"

Document Nu... ↑	Revi...	Name	Type
ISO 4017_M5x14-...	AA	Vis H grade A M5x14	Mechanical/Part

Possibilities for the new PLM platform

•Keep "Part" for article and "Item" for all other objects

Option A

- Said otherwise, we do not change the **default Aras wording**

•Rename "Part" to "Item" and rename "Item" to "object"

Option B

- We keep the **SmarTeam wording** by deeply tuning Aras

•Rename only one object category

Option C

- We tune Aras to limit the risk of confusion
- An Article will be an "Article" (instead of "Part"), but all the other Items would remain "Items"
 - "Part" not being used, less confusion between Part & CATPart, but we introduce a new word: "article".
 - "Item" word remains, with another signification.

Pros & Cons of each solution

What if, in Aras, we:

- **Keep "Part" for article and "Item" for all other objects?**

Option A

- +++ : Nothing to modify (ARAS native)
- ++ : Industry standard compliant
- : We change the CERN terminology
- : Part <-> CATPart confusion

- **Rename "Part" to "Item" and rename "Item" to "object"?**

Option B

- ++ : We keep the CERN terminology (from SmarTeam)
- : Not industry standard compliant
- : Extra work in Aras, to be repeated for each upgrade
- : Limited result and possibly risked task.

- **Rename only "Part" to "Article"?**

Option C

- : We change the CERN terminology, but we use a word that exists in both EN & FR.
- : Not industry standard compliant
- : Extra work in Aras, to be repeated for each upgrade,
- + : No confusion with CATPart

Conclusion

We (IM/PLM team members) came with the proposal to keep the Aras terminology, which would be the best (and cheapest) choice in the long term.

This was agreed with all Project stakeholders, and with the CAEC.

This also will allow to be aligned with other systems:

- EAM at CERN,
- Infor LN (CERN\EN main Workshop)
- Concerning ISO standards, the Aras terminology is compliant to:
 - ISO 9000: Quality documentation
 - ISO 10209: Technical documentation
 - ISO 55000: Asset management

However, this new terminology may also impact other systems that will have to be modified (LHC QAP uses "Part" for Assets, EDMS uses "Item" for articles...).

Conclusion

We are aware that the transition period might be confusing, especially for experienced SmT users, but also on the PLM team's side.

To minimize this transition period, we propose, from now, when talking about the Project (Aras / connector), to use this terminology:

- PART for Article
- CATIA Part for CATIA CATPart doc (to avoid confusion between CAD Part and CATPart)
- CATIA Product for CATIA CATProduct

And everywhere is needed, to specify the context.

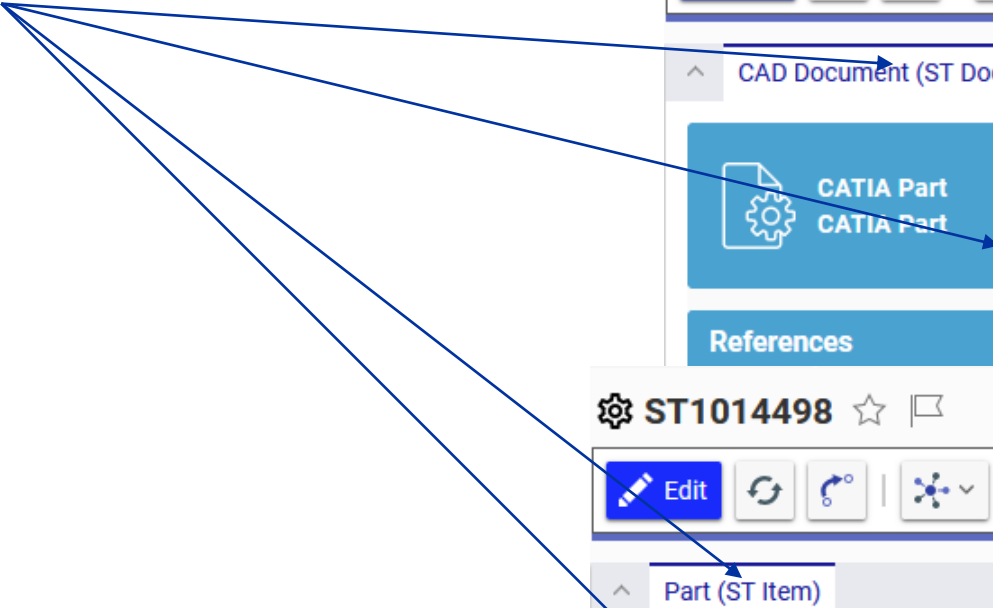
Examples:

“SmarTeam Items will be migrated in the new PLM as Aras Parts.”

“CATIA (CAT)Part has to be saved to CAD document in the PLM and the CAD document attached to an Aras Part”

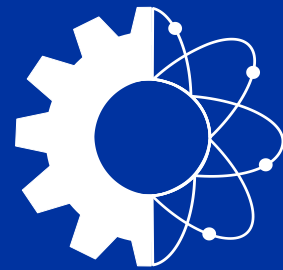
Conclusion

Also, at least during the transition phase, we will mention in the Aras interface the SmT corresponding terms.



The top screenshot shows a 'CAD Document (ST Document)' for 'ST0000540_01 a.1'. It includes a toolbar with 'Edit', refresh, undo, and other icons. The main content area displays 'CATIA Part' and 'SmarTeam Document' labels, the document title 'ST0000540_01 a.1', and the description 'END PIECE TYP H DN16 (21-41) 2-2'. It also lists 'Responsible: Alexandre Samochkine' and 'Team: No Team'. Below this are tabs for 'References' and 'PLM Information'.

The bottom screenshot shows a 'Part (ST Item)' for 'ST1014498'. It features a similar toolbar. The main content area displays 'Part' and 'SmarTeam Item' labels, the part title 'ST1014498', and the description 'BASE PLATE ADJUSTABLE SUPPORT'. It lists 'Created by: Jelle Metselaar' and 'Last modified by: Didier Steyaert', with 'Team: No Team'. Below this are tabs for 'General Information', 'Designation & Infos', and 'Material'.



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