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DEXPI hackathon Test Cases

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Global Business Development Process Plant

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How to colaborate between hackathons

Goals:

- Enabling De-syncronized and scattered workflow
- Track progress

Principles & Guidlines:

- Common space
- Naming convention
- Workflows
- Automated reporting

Test Cases

Exx	Equipment
Pxx	Pipelines, Inline Items, OPC
Ixx	Instrumentation
Dxx	Drawing annotation, title block
Cxx	Complete small loops / Combination

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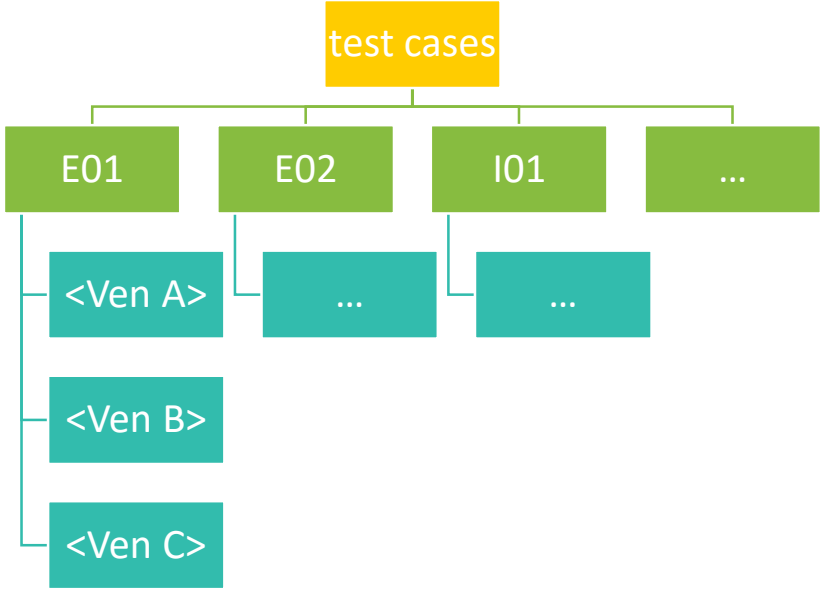
Naming Conventions and Workflows

Directory structure on BSCW.avt.rwth-aachen.de



HINT:
During upload the file type must also entered in the name field.

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Vendor abriviations

Autodesk	**AUD**
Aveva	**AVV**
DEXPI	**DXI**
Evonik	**EVO**
Heiner Temmen Human Verificator	**HUV**
Intergraph	**ING**
Siemens	**SAG**
Verificator	**VER**
VTT	**VTT**
X-Visual	**XVT**

Naming Conventions

Test case has version:

- **E02V01**

After export from Vendor A, export also has version:

- **E02V01-VenA.EX01.jpg** – screenshot of Test case
- **E02V01-VenA.EX01.xml** – DEXPI file

After import from Vendor B (also with version):

- **E02V01-VenA.EX01-VenB.IM03.jpg** – screenshot after import
- **E02V01-VenA.EX01-VenB.IM03.txt** – descripton of problem or positive test result (like data that could be used)

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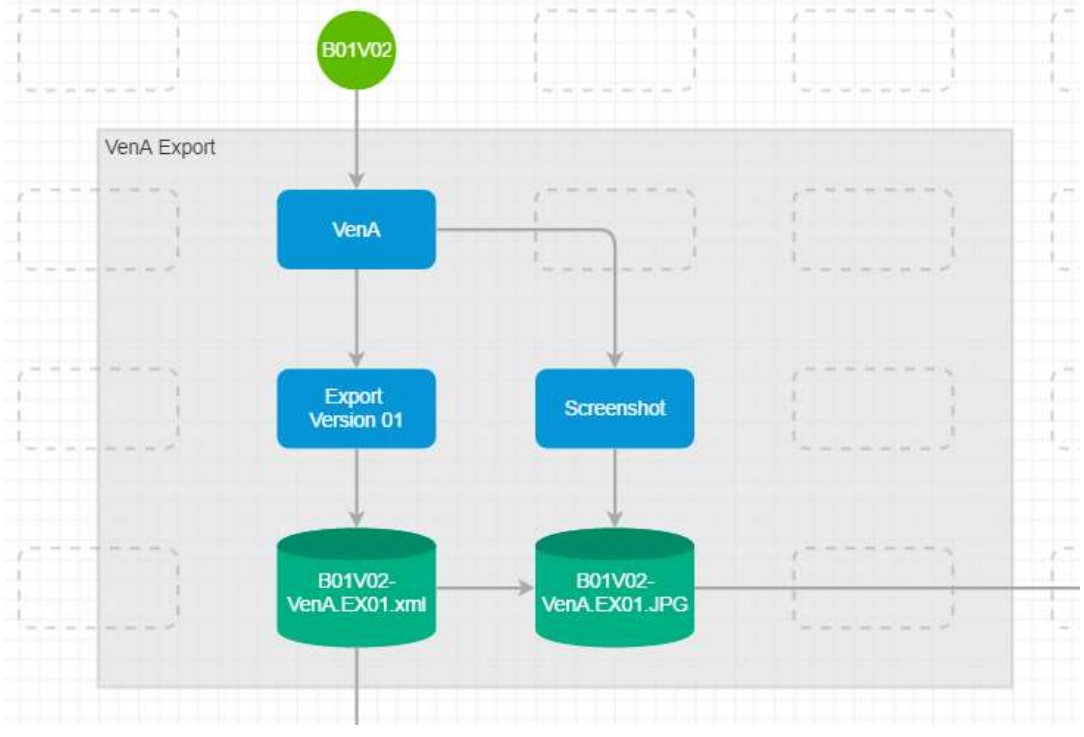
B01V02
VenA Export
VenA
Export
Version 01
Screenshot
B01V02-
VenA.EX01.xml
B01V02-
VenA.EX01.JPG

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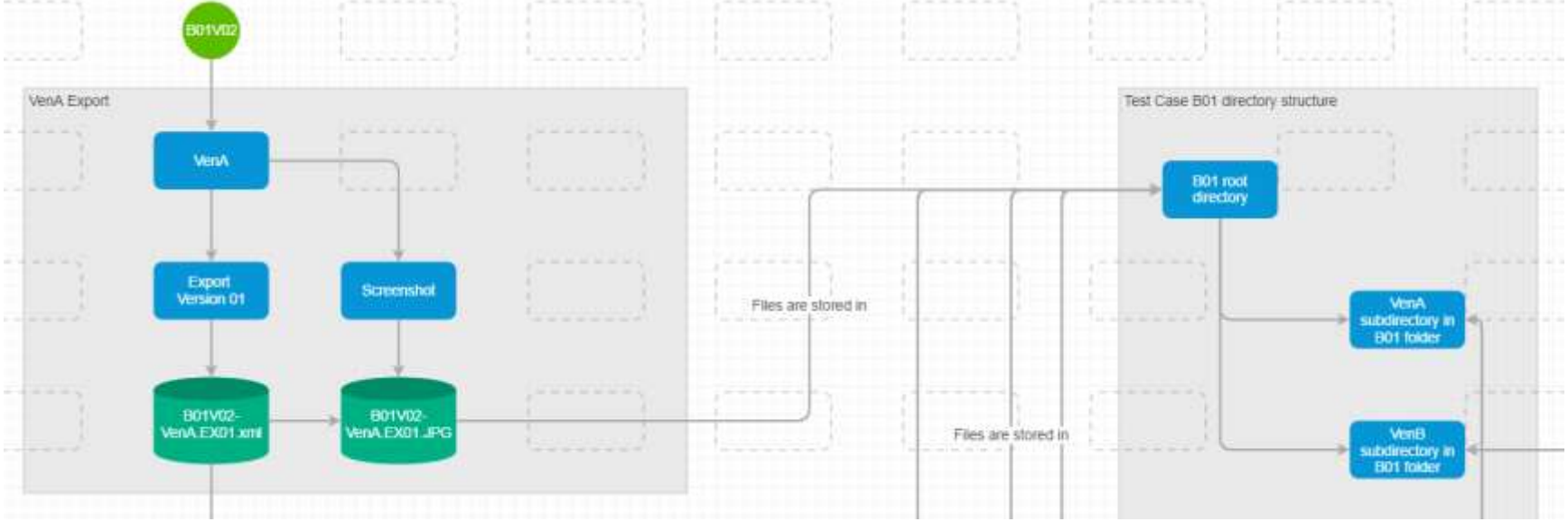
B01V02
VenA Export
VenA
Export Version 01
Screenshot
B01V02-VenA.EX01.xml
B01V02-VenA.EX01.JPG
Files are stored in
Files are stored in
Test Case B01 directory structure
B01 root directory
VenA subdirectory in B01 folder
VenB subdirectory in B01 folder

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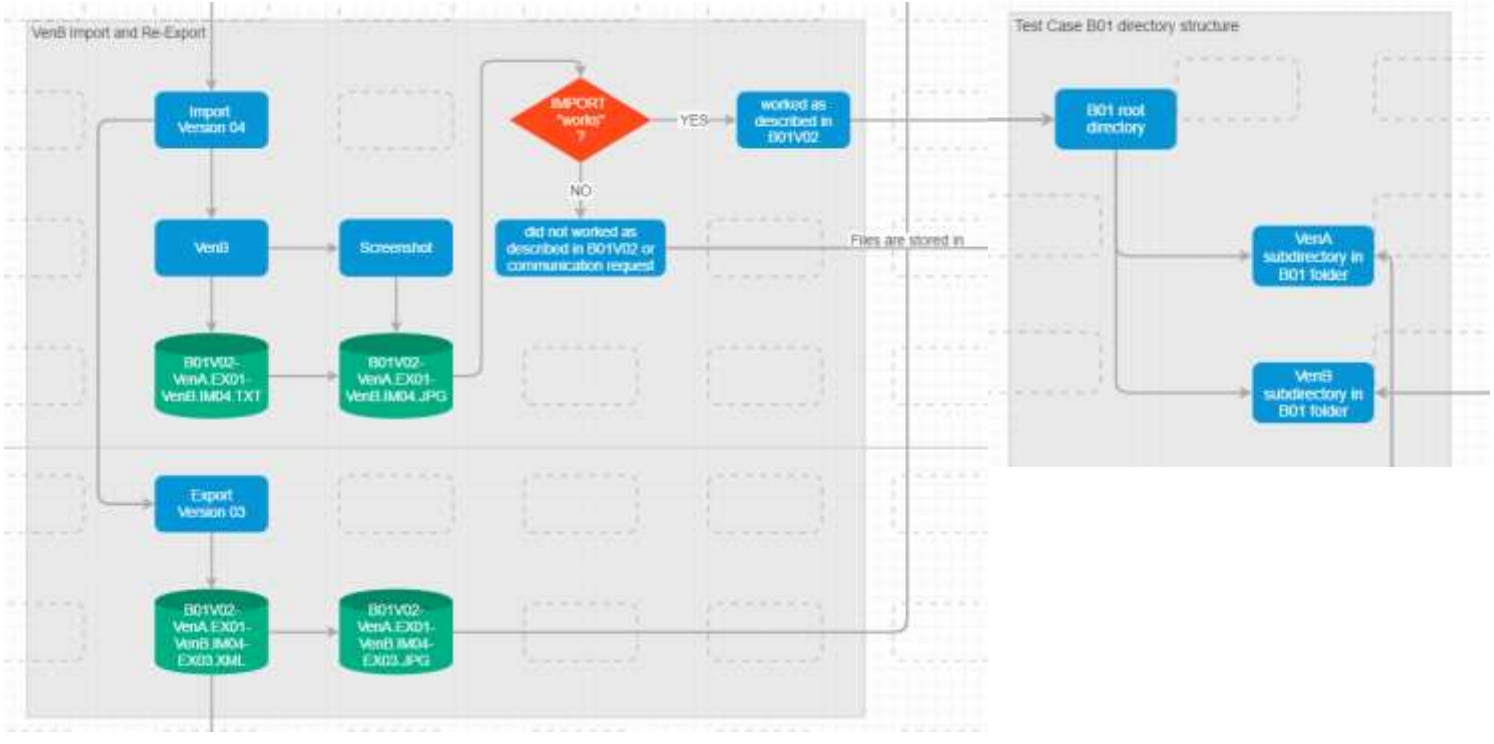
VenB import and Re-Export
Import Version 04
VenB
Screenshot
B01V02-VenA.EX01-VenB.IM04.TXT
B01V02-VenA.EX01-VenB.IM04.JPG
IMPORT "works" ?
YES
NO
worked as described in B01V02
did not worked as described in B01V02 or communication request
Files are stored in
Export Version 03
B01V02-VenA.EX01-VenB.IM04-EX03.XML
B01V02-VenA.EX01-VenB.IM04-EX03.JPG
Test Case B01 directory structure
B01 root directory
VenA subdirectory in B01 folder
VenB subdirectory in B01 folder

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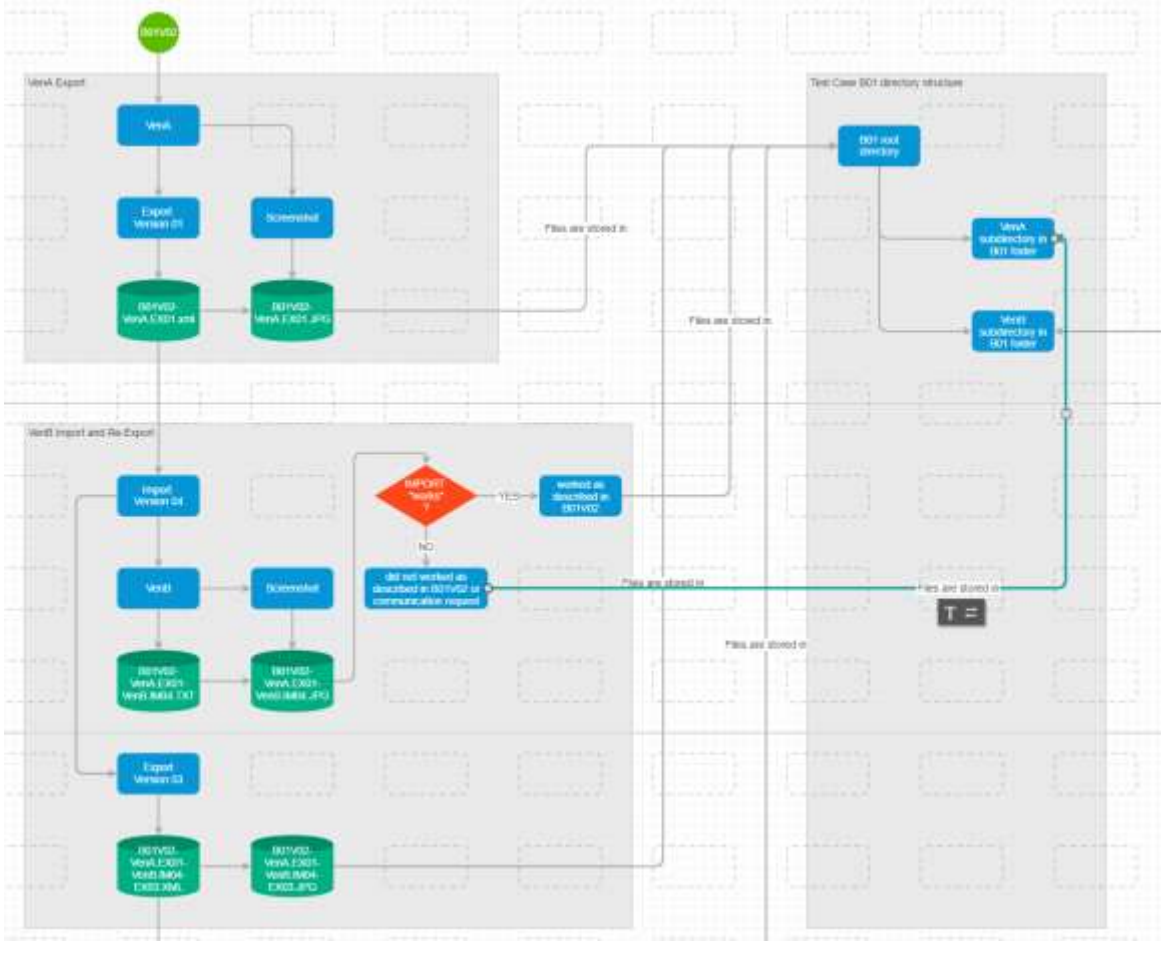
VersA Export
VersA
Export Version 01
Screenshot
Files are stored in
Test Case 001 directory structure
001 root directory
VersA subdirectory in 001 folder
VersB subdirectory in 001 folder
Files are stored in
VersB Import and Re-Export
Import Version 04
IMPORT "works" ?
YES
worked as described in 001V02
NO
did not worked as described in 001V02 or communication required
Files are stored in
VersB
Screenshot
Export Version 03
Files are stored in
T =

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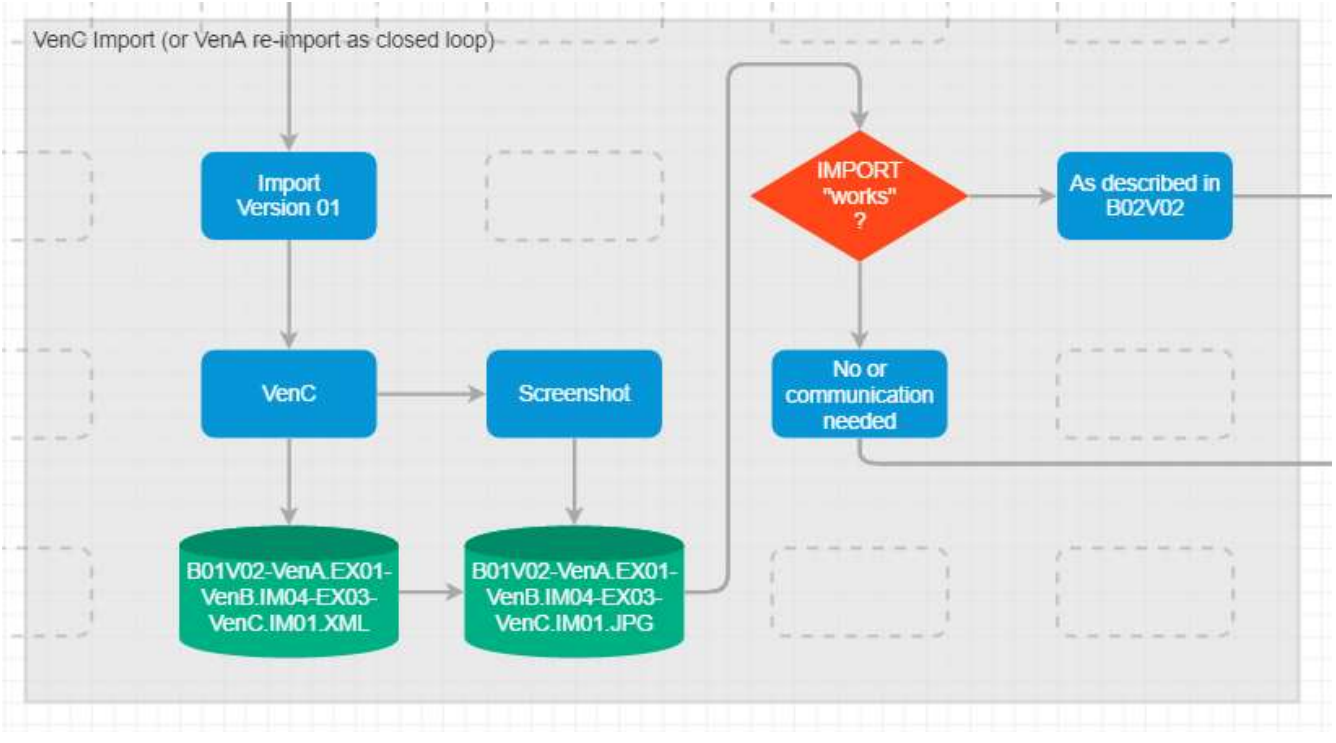
Naming Conventions (con‘t)
Only applicable for Vendors with EXP + IMP

Only applicable for Vendors with Export **and** Import

Loop Back or third party:

- **E02V01-VenA.EX01-VenB.IM03-EX01-VenC.IM02.jpg/txt**
- **E02V01-AUD.EX01-SAG.IM03-EX01-AUD.IM02.jpg/txt**


VenC Import (or VenA re-import as closed loop)
Import Version 01
VenC
Screenshot
B01V02-VenA.EX01-VenB.IM04-EX03-VenC.IM01.XML
B01V02-VenA.EX01-VenB.IM04-EX03-VenC.IM01.JPG
IMPORT "works" ?
As described in B02V02
No or communication needed

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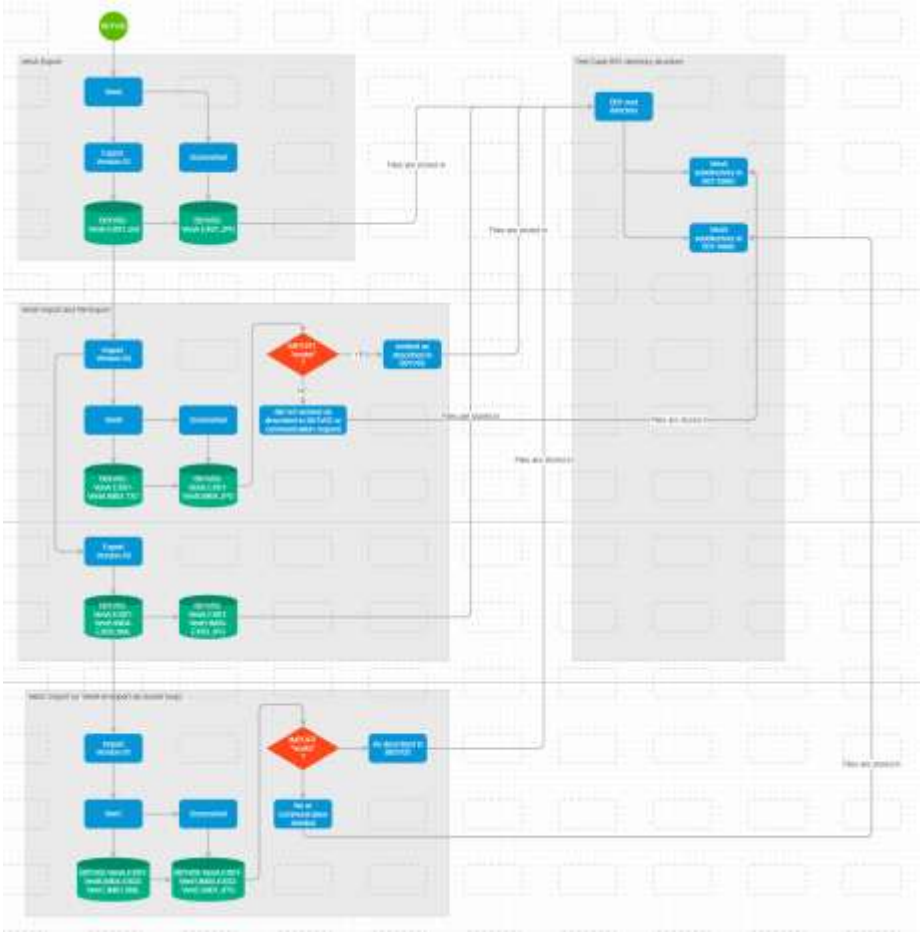

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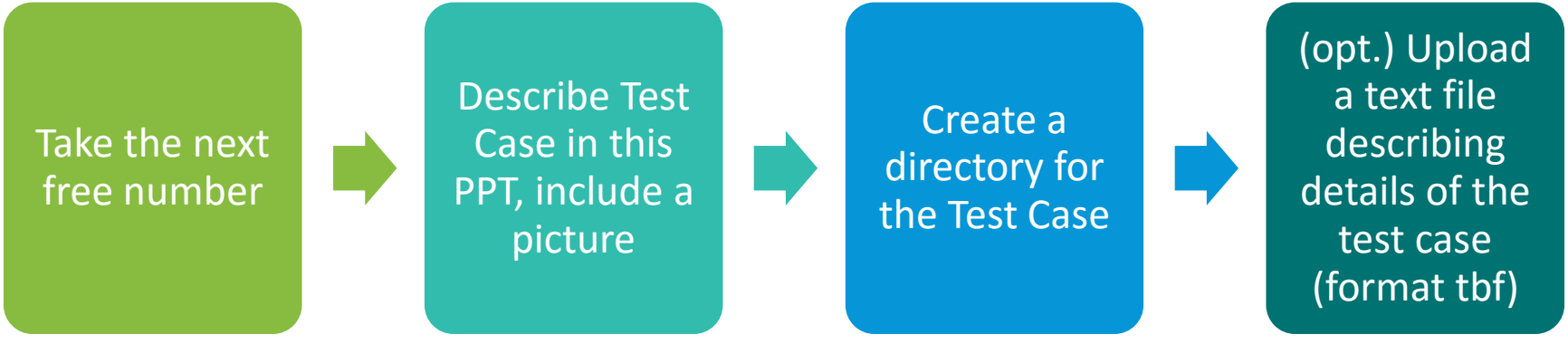
What has been achieved?

- Progress is transparent
- To-Do‘s are in vendors directory
- Extentable Test cases (future proof)
- Automatic report via scripts is possible

Submitting Test Case Procedure

Democratic approach: If you want a specific test case, create one



Test Cases

- Exx Equipment
- Pxx Pipelines, Inline Items, OPC
- Ixx Instrumentation
- Dxx Drawing annotation, title block
- Cxx Complete small loops / Combination

Exx Equipment

- E01

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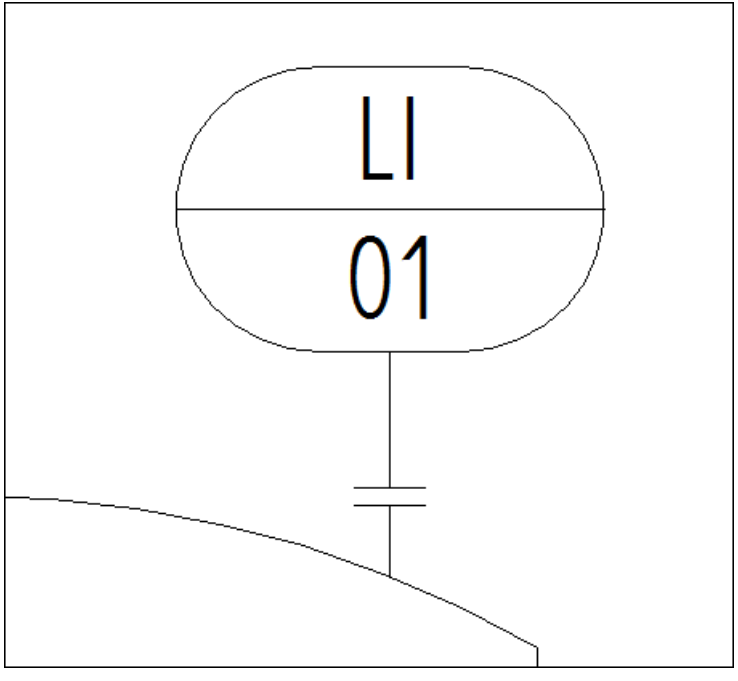
IOI Measurement

- IO1



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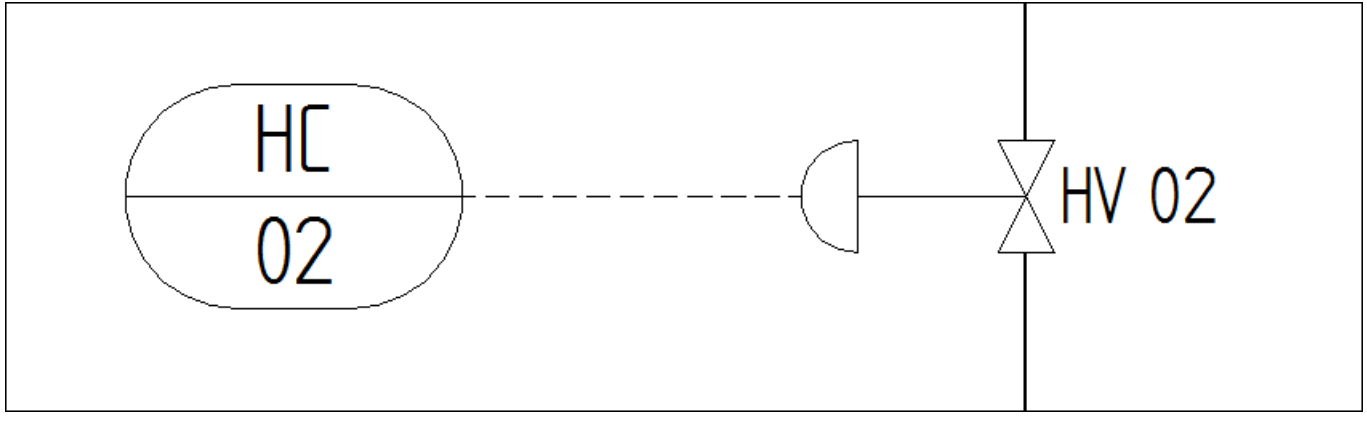
IO2 Control

- IO2



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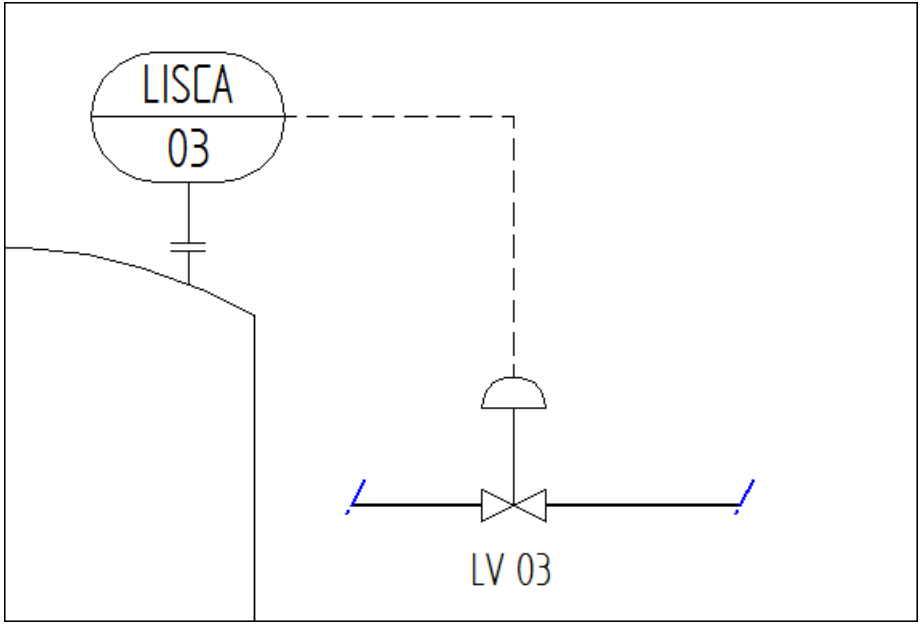
I03 Measurement + Control

- I03



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