

Meeting Minutes – GenICam – 2012-09-11

1. Homework Status/Voting Members

- AVT – GenTL Validation Framework
- Basler – GenICam 2.3.1
- Baumer – Meeting, Sequencer
- Matrix Vision – GenICam 2.3.1
- Matrox – SFNC 2.0
- MathWorks – Standards Booth May, GenAPI for Mac, SFNC
- MVTec – GenICam 2.3.1, Homepage, GenTL SFNC
- National Instruments – GenICam 2.3.1, Prototype in Reference Impl.
- Pleora - SFNC
- STEMMER IMAGING – GenCP/GenTL
- Teledyne DALSA – GigE2.0 Stuff

2. GenAPI/CLProtocol – Status & Roadmap (Fritz Dierks, Basler)

- Release v2.3.1
 - Bugfixes
 - CLProtocol - Race Conditions
 - Node Map Persistence
 - Xerces/Xalan – new Version
 - GenApi 2.3 doesn't work on PharLap
 - Better first time loading (factor 3)
 - Speed-up GenICam first time loading
- Open Tickets
 - CLProtocol
 - FeatureBag Persistence
 - Crashes
 - String Issues
 - MaskedIntReg
 - Typo
- Feature Requests
 - Clarifications
 - StandardNameSpace - deprecated
 - MathParser's ROUND
 - Cross Compiler Compatibility
 - String Issues
 - FeatureBag Streaming – open a discussion at the trac-system
 - Mother's little helpers – INode and INodeMap, lock, injection of multiple files
 - IsDone – open discussion
- Roadmap
 - GenAPI v2.4 (old roadmap)
 - Add compact code

- Add manifest handling code
 - All ListOfValidValues
- GenICam 3.0 (new idea)
 - Re-factor GenICam
 - No DOM any more
 - Small footprint
 - Load extremely fast
 - Fix some annoying problems
 - Keep full interface compatibility to v2.3
- WORD document is available in svn
- Open a discussion in trac
- No big effort on size and speed for GenAPI v2.4
- Discussion
 - Add: cmake to create static libraries (STEMMER)
 - Cross-compiler possibilities
 - Make GenAPI compatible with new SFNC features (STEMMER)
 - New Source Control model implies mutli-threaded GenApi?
 - We need also implementations for the embedded world (S2I)

3. *Vision Standards Meetings –How to run them in Future? (Cor Maas, EMVA)*

- Big success
- All key companies are available
- Social side also works very well
- The local machine vision organization can assist the host company (EMVA, AIA, JIA – G3), also with financial things
- The meetings should not only alternate between North America and Europe, but also include Asia
 - Most standards needs GenICam → separate day
 - PlugFest also needs to be a separate day
 - All other meetings could be run in parallel
- Discussion
 - How we can integrate the Asian people?
 - Presentation of a *typical week* schedule

4. *GenTL (Rupert Stelz, STEMMER IMAGING)*

- Next version v1.4 or v2.0
- Target: draft for next meeting
- Validation Framework for Producer
 - Use and test the framework and please give feedback

5. *GenTL SFNC (Christoph Zierl, MVTec)*

- Separate the non-mandatory features to a separate document
- Standard texts (GEV, U3V, ...) should only include a small set of features
- Compatible to GenTL 1.3
- New home for all TL-specific GenTL features

- Draft v0.3 – 2012-09-05
- Separate chapters for General/GEV/CXP (U3V ??)
- Open issue: How to handle features which are now in SFNC and GenTL?

6. *GenCP (Rupert Stelz, STEMMER IMAGING)*

- RC3 was sent out
- Active discussion about the endianness (Big – original GenCP, Little – native USB)
 - For registers we keep the bit numbers
 - For fields: throw away bit numbers, clarify length in bits (vote)
 - OSI: 4
 - No OSI: 7
 - Consistent field order (vote):
 - 11:0
 - Presentation of data fields and registers in GenCP like in U3V spec (vote):
 - 11:0
- No other show stoppers!

7. *Administrative Topics (Christoph Zierl, MVTec)*

- Added new members
- Office Address (EMVA) moved from Frankfurt to Barcelona
- Updated Wiki entries
- Trac: Running very well
- Now various Trac systems available:
 - GenICam
 - GigEVision
 - USB3Vision
 - CoaXPress
 - <https://xxx.mvtec.com/trac/xxx>
- Marketing
 - No subcommittee at this time
 - Is up to the EMVA to create a new subcommittee
 - Need help for the vision show
 - New/old members: Basler, Matrox, MVTec, STEMMER

8. *SFNC (Stephane Maurice, Matrox Imaging)*

- Official release is SFNC 1.5.1
- Sent the new version SFNC 2.0 RC2
- Vote until the end of September
- Is now TL neutral
- Trigger model description and drawing was added
- Updated PixelFormat feature according to the officially released PFNC
- GEV2.0 new features added
- Category of every feature was added
- Discussion: Link vs. Connection
- Added some new other features

- Discussion about renaming DeviceID to DeviceSerialNumber (vote)
 - Leave it as it: 4
 - Find a better name in SFNC: 5
 - DeviceID will be renamed to DeviceSerialNumber
- Change the name of TestImageSelector?
 - Yes: with unanimity
 - New names:
 - TestImageSelector → TestPattern
 - TestPatternGeneratorSelector (new SFNC 2.0 feature)
- Sequencer
 - SequencerSetFeatures
 - Lists all features affected
 - Enumeration like ChunkMode and ChunkEnable
 - Add a Chunk Feature: ChunkSequencerActiveSet
 - Finalize the proposal
 - Vote on next meeting
 - Make a proposal for UserSets (UserSetFeatures)
- SFNC 2.1
 - Only finalized proposals
 - Maybe USB3Vision and CLHS specific things

9. Homework session

- Homework list/items
- Next meeting: not yet fixed, possibly in Korea in March 2013