

FuSa SIG January, 14 2020

Agenda items are added black.

Minutes are added in blue.

Closed ACTIONS in green.

Open ACTIONS in red.

A) Agenda Items

A.1) Agenda Items that need Assessor input

I do not believe we have specific items on tomorrow's agenda that require assessor input, with the exception of maybe communicating to us what kind of support you are willing to give in 2020

My default assumption is: that most assessors can attend some of the meetings and can help answer the one or other technical questions. But not much beyond

If this is incorrect, please let me know

A.2) Planning for 2020

Looking at the discussions of the last few months, we are still fundamentally moving towards creating an achievable plan.

This was much slower than I hoped for and it seems we sometimes get distracted by point issues. Not a bad thing, because this helps create a common understanding.

However going forward, we need more focus

What I want to do in this meeting, is to set up the structure to agree and achieve some concrete goals.

The table below shows the goals/and activities, who I believe is planning to contribute, etc.

Activity	Priority	Contributors	Status	Next Steps
A1: Misra analysis for planning only (goal complete ASAP)	Highest	Leader: Francesco Lars, Stefano, Artem	Created with false positives Probably close enough in 1-2 iterations to be good enough for planning	Publish next version Then try and close to feed into Tailoring
A2: Start ISO 2626 Tailoring and gap analysis Almost everything else depends on this (goal: Q1-Q2)	Highest	Leader: ??? Francesco, Artem, Antonio	Have a template (can that be shared)? Have a list of people who can contribute Process stake-holders: Francesco, Antonio, Lars, Artem and maybe Stefano for anything related to process. Technical stake-holders: Francesco (change later), Lars, Artem and either Julien (if he has time) & Stefano as technology consultants. Open question: would Lars, Julien, Stefano and Artem need access to an ISO spec and would https://www.iso.org/standard/68388.html be sufficient (around \$180, which is not too bad)	Set up regular meeting Verify resourcing Break down into smaller tasks
A3: Documentation PoC (goal: Q2)	High	Leader: Stefano Lars, Brian, Artem	The goal of this is to start creating documentation that helps certification in tree starting from core APIs as well as requirements. Some resourcing to work on the docs is in principle agreed and can start in Q1 or Q2 We have an example in https://cryptpad.fr/drive/#/2/drive/edit/9GIn7VTsT6zP8gcWUxEfDEIb/	Stefano and Lars to sit together and see how we can map this onto an information architecture and come up with a proposal Lars has some specific questions to Antonio, but wants to wait for Stefano

				Then discuss proposal with the community and the wider team here
A4 (dependency): CI improvements (goal: TBD)	Highest	Leader: Lars For now participants are outside this group	Goal: build a bot based infrastructure that allows us to hook tools that can make GO/NO-GO decisions when patches are submitted. E.g. reject a patch if it does not comply with coding standard, reject a patch if it does not compile with safety compiler, ... We know what has to be done, but putting together a design is tedious. In addition, the community members that worked on this cannot spend the time needed to complete this task.	Lars to set up working group and identify resourcing Seems there is wider interest and we have a community member who has worked on something similar when at RedHat
A5 Revisit Coding Standards (goal: TBD)	High	Leader: Lars No team set up	Within the Xen Community, we keep on coming up against multiple issues. Our coding standards are patchy, they are manually enforced and in cases ambiguous (look and feel issues) - aka they cant always be enforced by a tool. I have deferred this discussion as I wanted to frame it within the context of Misra C. There is also generally a willingness to include defensive programming into the codebase (primarily from the security perspective) This is high priority, simply because a) This may take a long time b) We may not be able to build consensus to achieve it	Needs: a good enough baseline to start a preliminary discussion. It should be complete on the major issues. We would also need a threshold of Misra C issues (50, 100, ???) by which we say that something needs to be in the coding standard. Mechanism to identify initial issues and enforce
A6: Select Coding Standards (Misra) checking tool into CI	High	Leader ??? Team ???	I put this as High, because today we don't have a good handle on Misra checking tools. Some of what Francesco said in previous calls worried me: that we should always expect a high level of false positives with any tool. That would be a significant issue: in any case, it would be good to establish a shortlist of that we may want to look at. UI based tools and tools which have a client-server architecture are not suitable. Ideally we want to partner with a company. When we attempted this with Perforce it was too early. Maybe this is something which could in collaboration with Elisa or Linaro.	

There are **big things** around testing that we are missing, but my suggestion would be to treat A2 as a priority and to progress other items such as A3 (which are resourced) and A5 in parallel.

I don't think we should treat everything sequentially though and I believe we should progress some things

Most organizations are in the end stages of their annual planning: so I also would like to have a preliminary discussion on what kind of engagement and contributions look likely going forward

This means

- We need to review the table above against available resources
- **Lars: Personally, I can spend a day a week on this in H1 but it will likely be less after. My employer Citrix has no skin in safety and automotive, and my manager wants to ensure that this group can operate without me in a year. The meetings and admin do take almost 1/3 of the time I have**
- **It would be good to get a sense of why can do what and how much time they can spend**

Possible collaborations which would impact a plan

- Elisa Project
- Linaro

- ???

B) Actions

B.1) New Action Items

<List action items here>

B.2) Recently Closed Action Items

<List action items here>

B.3) Ongoing / Open Action Items

High: Francesco to publish sanitized version of ISO2626 sheets

This is blocked on Lars setting up a document store area

This is in turn blocked on knowing who has the standard

C) Meeting attendance and other meeting specific information

C.1) Link to recorded sessions and public documents

<List URLs>

C.2) Link to documents under access control

MISRA C related:

<List document>

Other standard related:

<List document>

C.2) Attendees (right now based on past attendees - delete/add as appropriate)

- Antonio Priore
- Julien Grall
- Robin Randhawa
- George Dunlap
- Lars Kurth
- Alex Agizim, Artem Mygaiev
- Kate Stewart
- Hisao Munakata
- Francesco Rossi
- Stefano Stabellini
- Piotr Serwa
- Robert Heinen
- David Ward
- Claudio Gregorio
- Christopher Zimmer
- Vasco Fachin

D) AOB

1. <Add discussion items here>