

Evolution of Instrument size and processing of Change requests H -P-ASPI-LT-1027.txt
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 Subject: Evolution of Instrument size, and processing of Change requests
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Sir

Following the recent Alcatel campaign to collect refined information related to instrument warm units definition, identification and position of connectors, we have identified that a certain number of dimensions of warm units were significantly different from the one used for the satellites design for the PDR (based on IIDB version 2, version 2.1, or IID-B CR's being processed).

You have to understand that the spacecraft is being designed with a PDR very soon. You cannot initiate unilaterally significant change in your instrument that will affect the interfaces to the spacecraft without having any discussion with the project.

We are freezing most of the interfaces for the PDR with several levels of subcontractors involved in the loop now. Your instrument might be not compatible with the PDR design.

In parallel, the IID change process which should be used for these modifications is not fast enough. This is mainly because of the serial processing the CR's (Instrument ->ESA->Alcatel->processing by Alcatel/Astrium/Alenia->Alcatel->ESA->Instruments, + some iterations required sometime). We have to improve it.

We propose to modify the IID change process in the following way:

All change proposed by the instrument (or project) team are discussed in priority during the Instrument Interface meetings, or regular teleconference if these meetings spacing is too long.

The objective is

- to justify the need of such change,
- identify its criticality and the effort required to implement it
- negotiate it if necessary

- Rank it (ie CR with no impact, or with impact on Cost & schedule)

- Identify who is processing it (Alcatel/Astrium/Alenia)

- Agree on a target date for conclusion

From this exchange, a formal CR is Established (with configuration control), and will be processed by Industry and ESA.

Can you comment about this proposition ? IF OK, this proposition should be applicable from now.

Best regards,

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