

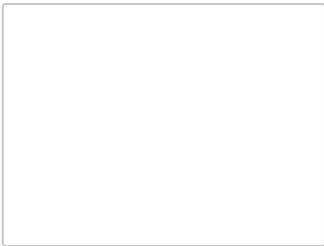
[pnt-eo] Cybersecurity Profile for the 20 Responsible Use of PNT Services comments

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FG pnt-eo@list.nist.gov on behalf of
Francisco Girela

Fri 11/6/2020 8:05 AM

To: pnt-eo@list.nist.gov



To whom it may correspond,

First of all, congratulations on the redaction of this draft. It is very complete and such an interesting reading.

After reading the document, there are two minor comments that I think can be useful for a wider application scope of this draft:

- From my reading, I have the impression that there is a focus on time distribution, but there is a lack of mentioning frequency distribution. There are some applications that rely not on traceable time but on the phase and frequency information that is disseminated through the system and they obtain such information using GNSS. In the case of high energy systems, erroneous frequency can lead to severe damage. In that sense, I think that it would be positive to include a specific remark on this and highlight the use of SyncE or Layer1 syntonization.

- From a social perspective, I think that it would be also positive to mention the role of human resources in the responsible use of PNT services. It is not rare to find organizations where the whole PNT system relies on just one specialist. Human back-ups and proper training are important factors to avoid and solve issues when operating such systems.

I hope you find this input useful.