
From: pnt-eo@list.nist.gov on behalf of Michael Simon
Sent: Monday, July 13, 2020 2:35 PM
To: pnt-eo@list.nist.gov
Subject: [pnt-eo] RFI: Profile of Responsible Use of Positioning, Navigation, and Timing Services
Attachments: ATSC 3.0 PNT in United States Emerging.pdf; IEEE Paper Special Issue ATSC 3.0 Broadcast 5G June 2020.pdf

Categories: Red Category

In response to the NIST RFI on PNT July 13, 2020 is forward looking.

I would like to introduce a future PNT profile using emerging ATSC 3.0 Broadcast standard in United States.

Relevant background info: ATSC 3.0 A/321 standard “Bootstrap” was adopted into FCC rules to enable voluntary Innovation in 2018. <https://www.fcc.gov/document/fcc-authorizes-next-gen-tv-broadcast-standard-0>

Then FCC on June 9, 2020 promotes Broadcast Internet and ATSC 3.0 market driven innovation <https://docs.fcc.gov/public/attachments/FCC-20-73A1.pdf>

I’m inventor and contributor to development of ATSC 3.0 physical layer and I believe a contribution in public interest can be made PNT.

I’m not sure if this is correct time to introduce but wanted to make you aware. We are intending on reaching out to FCC on this PNT contribution.

Since, NIST is experts in Spectrum and sharing (CBRS) I’m reaching out to you on PNT and FCC promoted Broadcast Internet ATSC 3.0 innovation in public interest.

Please find attached a recent IEEE paper on ATSC 3.0 5G Convergence and couple drawings on ATSC 3.0 physical layer and PNT.

Sincerely,

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