



WG-B

Space Users Subgroup - Status Update

ICG 14 - Bengaluru, India, 9-13 December 2019



International Committee on
Global Navigation Satellite Systems

Space Users Subgroup (SUSG)

- **Structure:**

- Space Users Subgroup was created from former WG-B 'SSV Taskforce' members
- Co-chair structure has been agreed (EU, US and China)
- Monthly meetings by teleconference (or face-to-face)
- Main activities:
 - SSV Booklet review and update – New Issue of SSV Booklet every two years
 - Generation of SSV Video
 - Identification of new activities related to the subject topic – extension of SSV, e.g. use of GNSS for Moon and beyond

- **Next Steps :**

- Space Users Subgroup formally included in WG-B Terms of Reference, similar to existing Applications Subgroup

Space Users Subgroup (SUSG)

- **Current Status:**

- The proposed Space Users Subgroup has been working on an agreed work plan 2019/2020 since Dec. 2018
- Discussion about potential re-naming of this subgroup is on-going – ToR will be updated accordingly
 - original name **Space Applications Subgroup**
 - current working name **Space Users Subgroup**
 - renaming is considered to be finalized within 1Qtr 2020
- SSV video has been generated by NASA
- GNSS SSV Booklet updates have been identified – work in progress
- Interaction with Interagency Operations Advisory Group (IOAG) – formally established
- Interactions with International Space Exploration Coordination Group (ISECG) – work in progress (interactions took place and we wait for formalization)

Space Users Subgroup - Participants

- To be successful, the Subgroup needs active participation from all service providers.
- Provider POCs for ongoing participation in Subgroup meetings:
 - US: Joel Parker/NASA joel.j.k.parker@nasa.gov
 - EU: Werner Enderle/ESA werner.enderle@esa.int
 - EU: Juan-Pablo Boyero/EC Juan-Pablo.BOYERO@ec.europa.eu
 - China: Xinuo Chang chang_xinuo@foxmail.com
 - Japan: Satoshi Kogure [TBC] satoshi.kogure.e7f@cao.go.jp
 - India: R. Ramasubramanian subra@isac.gov.in

Space Users Subgroup Work Plan

- Draft Work Plan Version 0 was proposed by ESA
- Draft Work Plan Version 1 was jointly drafted by ESA and NASA during Space Ops in Marseille in May/June 2018
- Draft Work Plan 2019/2020 was discussed and agreed at the meeting in Xi'An, China in Nov. 2018

Space Users Subgroup Meetings

Agreed schedule for meetings in 2019

- Monthly meetings via VC
- Every 3rd Thursday of each month
- Start at 13:00 CET
- Meeting invitations will be send to POCs
- Face-to-Face meetings as mutually agreed within SUSG
 - 4 meetings in 2019

ToR for Space Applications Subgroup

1. Scope of the Space Applications Subgroup

- This Terms of Reference (ToR) defines the “Space Applications Subgroup” of ICG WG-B and its associated activities.

2. Objectives of Space Applications Subgroup

- Lead evolution of the Interoperable Multi-GNSS Space Service Volume including the use of GNSS for missions beyond the existing SSV (e.g. lunar)
- Encourage developments of space-based user equipment and emerging user community
- Encourage coordination with Interagency Operations Advisory Group (IOAG) and International Space Exploration Coordination Group (ISECG)
- Encourage development of new services and augmentations beneficial to space users.
- Promote space user community needs within ICG.

ToR for Space Applications Subgroup

1. Participants

- List of Participants

• Regulatory Framework

- This ToR is applicable to all related documents under the Space Applications Subgroup of WG-B.

• Milestones

- Draft ToR for the **Space Applications Subgroup**
- Submission of the ToR for the Space Applications Subgroup to **ICG**
- Launch of activities for **Space Applications Subgroup**

• Annexes

