

# Working Group Task Teams (4)

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# Task teams

- Task Team 1: Radiosondes
- Task Team 2: Ground-based GPS receivers
- Task Team 3: Measurements (measurement schedules and associated instrument-type requirements)
- Task Team 4: Site assessment, expansion and certification
- Task Team 5: Ancillary measurements

# Task Team 1: Radiosondes

## Draft ToR:

- Evaluate the data products (uncertainty budget etc.) and bring in missing knowledge
- Draw conclusions on the suitability of the deployed equipment
- Report to the WG ARO on a half-yearly basis
- The chair of the team should be a member of the WG
- The team is ad hoc
- Guidelines for certifications

# Task Team 2: Ground-based GPS receivers

## Draft ToR:

- Develop guidance on the type and amount of data and associated metadata needed to be stored from the instrument, as needed
- Develop details on the data processing and dissemination, including the calculation of uncertainties (who to do what?)
- Evaluate the data products (uncertainty budget etc.) and bring in missing knowledge
- Draw conclusions on the suitability of the deployed equipment
- Report to the WG ARO on a half-yearly basis
- The chair of the team should be a member of the WG
- The team is ad hoc

# Task Team 3: Measurements (measurement schedules and associated instrument-type requirements)

## **Interim scheduling guidance:**

- Maintain operational launch schedules if available
- Do dual launch with best-available sondes under optimal conditions

## **Interim entry level site requirements:**

- Once weekly launch, once-monthly reference-type
- Ground-based GPS receivers

## **Draft ToR:**

- To develop defensible, quantifiable, scientifically-sound guidance for GRUAN sites on measurement schedules and associated site requirements, taking into consideration:
  - Peer reviewed literature
  - GRUAN documentation (including GCOS-121)
  - New studies the team might undertake, or that is undertaken by third parties
  - Technical and financial constraints
  - All GRUAN objectives (climate trend detection, satellite calibration/validation, global coverage)
- To report to the WG on a half-yearly basis
- The team is ad hoc

# Task Team 4: Site assessment, expansion and certification

## Draft ToR:

- Define assessment criteria for sites (inter alia taking into account output from task team on measurements)
- Provide regular overall assessments of existing sites
- Consider ad hoc or solicited new requests and provide a written recommendation to the WG and the Lead Centre
- Explore potential new sites
- Define clear terminology for sites (“initial sites”, “candidate sites”)
- The chair of the team should be a member of the WG
- The team is long term

# Task Team 5: measurements

Draft ToR: