TIMING INTEROPERABILITY



Interoperability & Service Standards Timing

ACTIONS FROM ICG-14	STATUS
Continue investigating GNSS time interoperability issues and share the results on GNSS time interoperability and time transfer issues	TBD
Consult with IGMA Task Force on including GNSS-GNSS time offset monitoring under the ICG/IGS Trial Project	Complete – not feasible at the present time
Conduct another Timing Interoperability Workshop with a focus on receiving feedback from users and manufacturers of timing receivers	TBD – should be considered by WG-S, WG-B and WG-D



Agenda Items for Next Workshop

- Further consider the ESA and BIPM presentations made during ICG-14
- Consider the input of manufacturers/users on techniques to address multi-GNSS timing interoperability:
 - 1. As **direct offset** between one System's time scale vs. another System's time scale (GNSS-to-GNSS Time Offset, GGTO) **broadcast** in the navigation message
 - 2. Using the **UTC information** broadcast in the navigation message of all GNSS as a **pivot** to obtain the time offset of one System's time scale vs. another System's time scale
 - **3. Estimating** the respective GNSS-to-GNSS Time Offset directly in the **GNSS** user terminal as part of the position estimation process when enough satellite measurements are available
- Determine whether consensus can be reached on any recommendation for time offsets

