

IFB Questions and Responses

STATUS DATE: October 28, 2015

RFI No. 4: The TBS drawing package cable schedules are inconsistent with the SCADA drawing package cable schedule. For example, various components are connected to the network switch via fiber and Ethernet cable to the network switch for indication in the SCADA drawings, while the TBS cable schedule shows them being connected via regular multiconductor copper cable to the HMI (which we are assuming is also the RTU at this moment). Please clarify what wires we should run, or if we are installing both schemes for compatibility and future development. Is it possible to get a consolidated cable schedule if the latter is the case?

Response to RFI No. 4: Drawing K06TB2-TB-300 (pg 17), Drawing K07TB1-TB-300 (pg 25), Drawing K07TB2-TB-300 (pg 33), Drawing G01TBS-TB,-300 (pg 41), Drawing G02TB1-TB-300 (pg 49), and Drawing G02-TB2-TB-300 (pg 57) will be corrected in the future Amendment. Please refer to the attached file "Response to RFI No.4" which shows what will be amended in each of the above listed drawings.

Drawing K06TB2-TB-300 (17 of 60)

Cable AN-1 4/C goes From Battery Charger to RTU (not to HMI)
Cable AN-2 shall be 12/C (not 7/C) and goes from DC switchgear to RTU (not to HMI)
Cable AN-3 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-7 19/C shall be #14 AWG (not #19 AWG) and goes from RTU Cabinet (not HMI Cabinet)
Cable DC-1 shall be #4 AWG (not #3/0 AWG)
Note that Cables AN-1, 2, 3; SC-7 are SCADA cables shown on SCADA drawings also.
Note that AC power cables to RTU and Battery Cycle Monitor are shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.

Drawing K07TB1-TB-300 (25 of 60)

Cable AN-1 4/C goes From Battery Charger to RTU (not to HMI)
Cable AN-2 12/C goes From DC switchgear to RTU (not to HMI)
Cable AN-6 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-7 19/C goes from RTU Cabinet (not HMI Cabinet)
Cable DC-1 shall be #4 AWG (not #3/0 AWG)
Note that Cables AN-1, 2, 6; SC-7 are SCADA cables shown on SCADA drawings also.
Note that AC power cables to RTU and Battery Cycle Monitor are shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.

Drawing K07TB2-TB-300 (33 of 60)

Cable AN-1 4/C goes From Battery Charger to RTU (not to HMI)
Cable AN-2 shall be 12/C (not 7/C) and goes from DC switchgear to RTU (not to HMI)
Cable AN-3 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-7 19/C goes from RTU Cabinet (not HMI Cabinet)
Cable DC-1 shall be #4 AWG (not #3/0 AWG)
Note that Cables AN-1, 2, 3; SC-7 are SCADA cables shown on SCADA drawings also.
Note that AC power cables to RTU and Battery Cycle Monitor are shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.

Drawing G01TBS-TB-300 (41 of 60)

Cable AN-2 12/C goes From DC switchgear to RTU (not to HMI)
Cable AN-5 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-6 19/C goes from RTU Cabinet (not HMI Cabinet)
Note that Cables AN-2 & 5; SC-6 are SCADA cables shown on SCADA drawings also.
Note that AC power cable to RTU is shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.

Drawing G02TB1-TB-300 (49 of 60)

Cable AN-1 6/C goes From Battery Charger to RTU (not to HMI)
Cable AN-2 12/C From DC switchgear to RTU (not to HMI)
Cable AN-5 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-6 shall be 19/C (not 12/C) and goes from RTU Cabinet (not HMI Cabinet)
Cable DC-1 shall be #4 AWG (not #3/0 AWG)
Note that Cables AN-1, 2, 5; SC-6 are SCADA cables shown on SCADA drawings also.
Note that AC power cables to RTU and Battery Cycle Monitor are shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.

Drawing G02TB2-TB-300 (57 of 60)

Cable AN-1 6/C goes From Battery Charger to RTU (not to HMI)
Cable AN-2 12/C goes From DC switchgear to RTU (not to HMI)
Cable AN-5 shall be 12/C (not 4/C) and goes from ETS Relay cabinet to RTU (not to HMI)
Cable SC-6 19/C goes from RTU Cabinet (not HMI Cabinet)
Cable DC-1 shall be #4 AWG (not #3/0 AWG)
Note that Cables AN-1, 2, 5; SC-6 are SCADA cables shown on SCADA drawings also.
Note that AC power cables to RTU and Battery Cycle Monitor are shown on SCADA drawings also for reference.
Note that DC power cables to HMI, RTU, and Network Switch are shown on SCADA drawings also for reference.