

# TF Fabrication



Progress is being made on TF bundle fabrication activities but the schedule remains tight.

All 24 outer conductors have been machined but the vendor is behind schedule on the 12 inner conductors.

- Vendor has extended work hours and is considering a 2nd shift.
- PPPL will take partial delivery to begin prep/insulation on schedule.

The curing/soldering oven is in service and a cooling tube has been soldered into the 1st TF bundle outer conductor.

- Oven is being loaded today to solder a batch of 4 outer conductors
- The oven will be moved to the NTC high bay area on Aug. 7th to insulate, assemble and mold the 1st quadrant
- Preparing to hand solder as well as oven solder remaining conductors

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Peer reviews of the TF flags, flag boxes, and hub assembly have been completed.

- Receiving bids for fabrication with expected deliveries of mid Aug (hub), early Sept (flag boxes), and late Sept (flags).
- Fit-up/construction of the upper hub assembly and fit-up of the lower hub assembly will begin in late October.

The TF inner bundle will be complete and ready to install in the center stack by the beginning of December.

- Additional time has been allotted for the refit of the flex buses.
- The installation should be complete and the umbrella lids in place by the end of January.

# Prep for Operations



Vacuum vessel pump-down is scheduled for early November

- Date driven by the NB bellows delivery and the need to complete bake-out before test cell activities in December and January.

Pre-op testing, machine area scrubs, and the integrated system testing will begin in early February

- Fully instrumented, high current resting of individual prototype TF joints scheduled for August.