

NSTX-U Weekly Report (Jan. 17, 2014)

NSTX-U is in the Upgrade Project outage in FY 2014

Engineering Operations (A. von Halle, C. Neumeyer)

An Operations Engineering update for the weekly report:

NSTX Upgrade activities continued with the ongoing winding of the new OH coil on the inner TF bundle. Progress has been good, and winding milestones such as the replacement of conductor reels and in-line conductor brazing have been successful. Winding will be extended to two-shift operations this coming week. In the test cell, the bay G port cover has been lifted into place, and installation of in-vessel diagnostics continues.

Preparations for plasma operations in the NSTX-U configuration also continued with the recommissioning of primary power equipment for the neutral beam systems. Bus ducts to connect the switchgear and autotransformers to the transformer/rectifiers were reinstalled this week, and new vacuum bottles are being installed in the Fast Vacuum Interrupters. Progress was also made on the commissioning of a new plasma current (I_p) calculator with completion of some design schematics and the start of fabrication of prototype circuit boards.

Access to the NSTX test cell will be available only through previous arrangement with the Upgrade Work Control Center.