

# Chapter 7 revisions in response to PAC-33 debriefing comments

“Consider more detailed modeling of antenna structure in the SOL that employs 3D solid geometry of antenna in contact with plasma”

- High-fidelity 3D antenna model (e.g. VORPAL) and SOL model included in 3D AORSA development plan (section 7.3.1.1)

“Concerned that insufficient time will be spent to assess problems with coupling the FW into CHI produced plasmas and ramping plasmas”

- Increased emphasis on importance of assessing impact of FW heating on NBI current ramp-up in FY2016-17 (section 7.2.2.2)
- No longer mention heating CHI plasma with FW alone, only after EC heating has increased  $T_e$  and FW absorption (section 7.2.2.3)

“PAC suggests further consideration of high field side launch for EBW startup”

- More emphasis on scaling MAST EBW startup experiments (at 50-100 kW) to  $\geq 500$  kW on NSTX-U in FY2017-18; also mention need to install grooved tile on center stack during FY2016-17 outage to support EBW startup (section 7.2.2.4)

*Comment from PAC debriefing in blue*

*Revision to chapter 7 in response to comment in red*