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Update to Rev6 ignition designs NIF, with details about support tent in particular S.W. HAAN, L. BERZAK HOPKINS, D.S. CLARK, D. EDER, B.A. HAMMEL, A. HAMZA, D. HO, O.S. JONES, A. KRITCHER, K. LAFORTUNE, B.J. MACGOWAN, N.B. MEEZAN, J. MILOVICH, J.L. PETER-SON, H.F. ROBEY, J.D. SALMONSON, B.K. SPEARS, R.P. TOWN, Lawrence Livermore National Laboratory, J.L. KLINE, D.C. WILSON, A.N. SIMAKOV, S.A. YI, Los Alamos National Laboratory, A. NIKROO, H. HUANG, D. HOOVER, General Atomics — Ignition experiments on the National Ignition Facility will use an indirectly driven spherical implosion to assemble and ignite a mass of DT fuel. Requirements describing the specifics of the experiment and the corresponding expected performance were established several years prior. These requirements include laser features, target fabrication and characterization, and data obtained from pre-ignition experiments. Since those requirements were originally set, various NIF experiments using surrogate targets have motivated updates to the target designs and requirements. A summary of these updates will be presented. Rev6 designs for CH(Si), C(W), and Be(Cu) will be summarized. One particularly significant change regards the thickness of the tent films supporting the capsule, and the presentation will include updated thickness goals and the experimental motivation for the change. Prepared by LLNL under Contract DE-AC52-07NA27344.

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