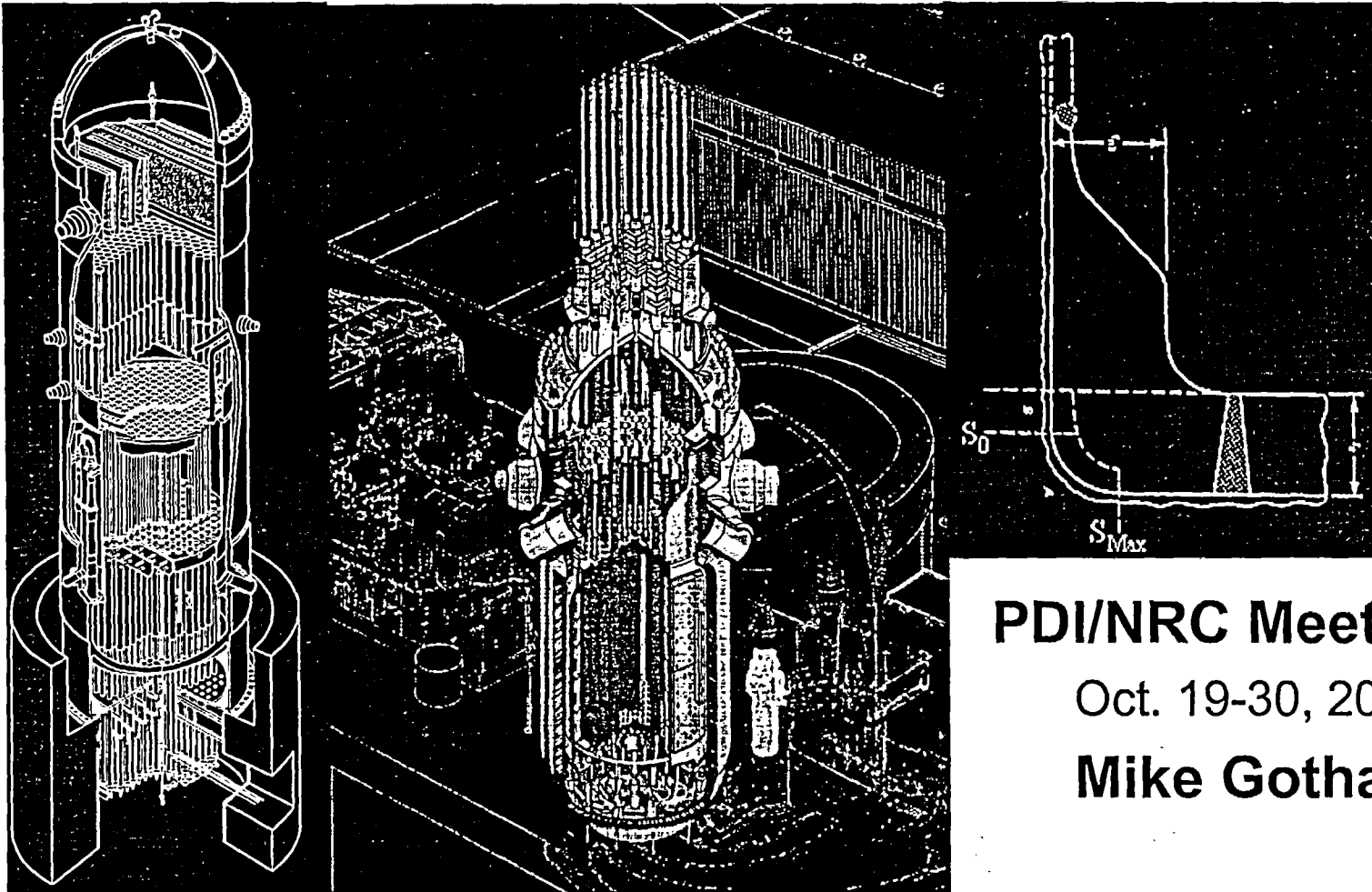


Attachment 6

PDI - RPV and Code



PDI/NRC Meeting
Oct. 19-30, 2004
Mike Gothard

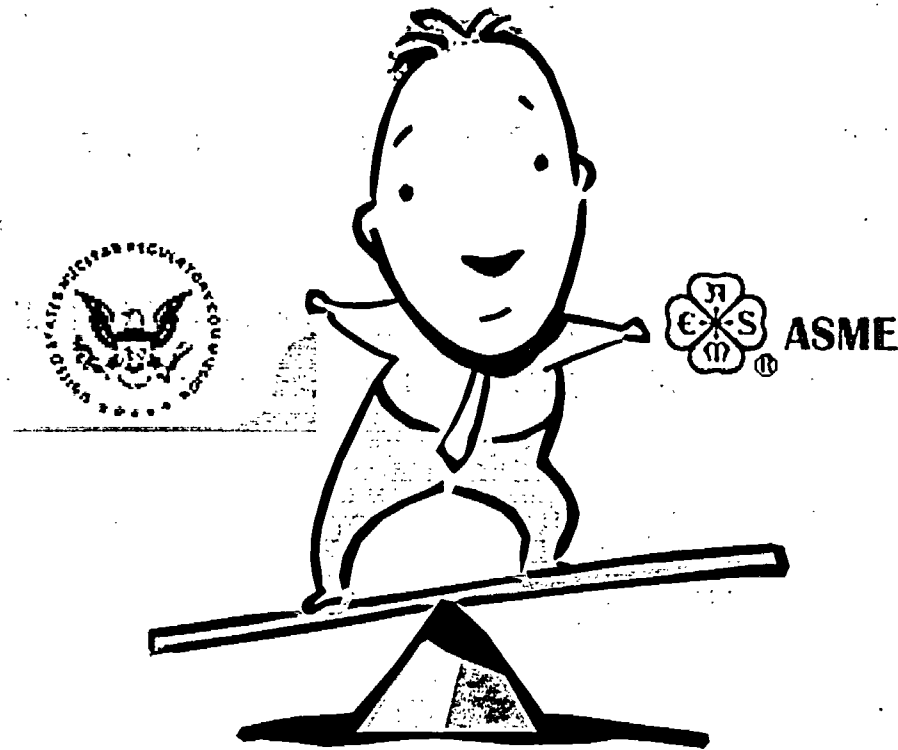
RPV Qualification Status

◆ Schedule for 2004

- Workload for 2004 similar to 2003.
- Already scheduling 2005 activities for the summer time.
- Workload weighted towards manual (“generic” procedure with single side access) and nozzle inside corner region rather than automated.
- PDI “generic” procedure for nozzle inside corner region was developed and qualified on an accelerated basis.
- Foreign vendors showing significant interest.



Code Activities





Code Activities

◆ Appendix I

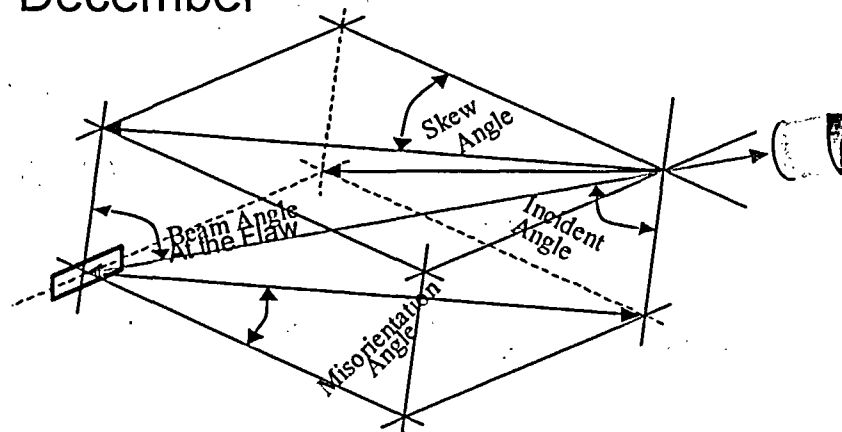
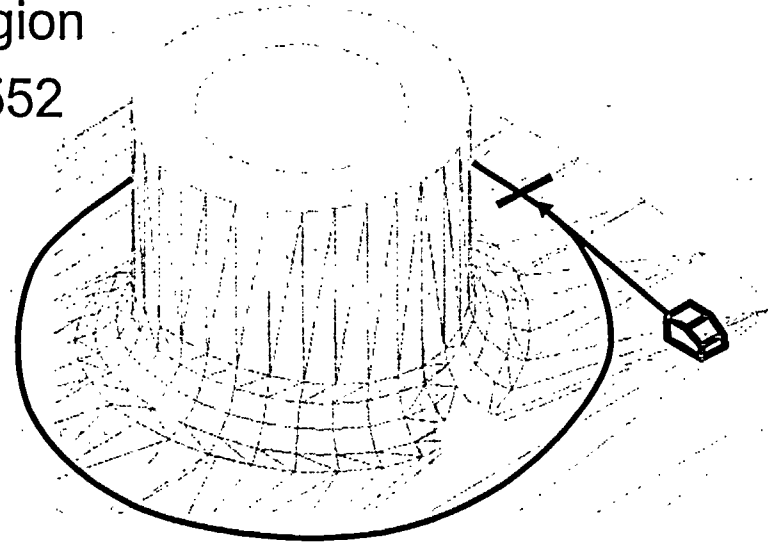
- Revised to incorporate coverage requirements for all components.
- Revised to allow use of Appendix VIII Procedures on other components.
- Revised to remove unnecessary sizing qualification on off-axis flaws.
- At Section XI in December.

◆ Appendix VIII

- Supplement 1 – Electronic Characteristics – Outside PDI Scope
- Supplement 2/3 – Austenitic/Ferritic Piping - Complete?
- Supplement 4 – Clad/Base metal interface
 - Revise to include 50% of allowable flaw size as minimum
 - Revise to eliminate sizing requirement for off-axis flaws
 - At Task Group in December

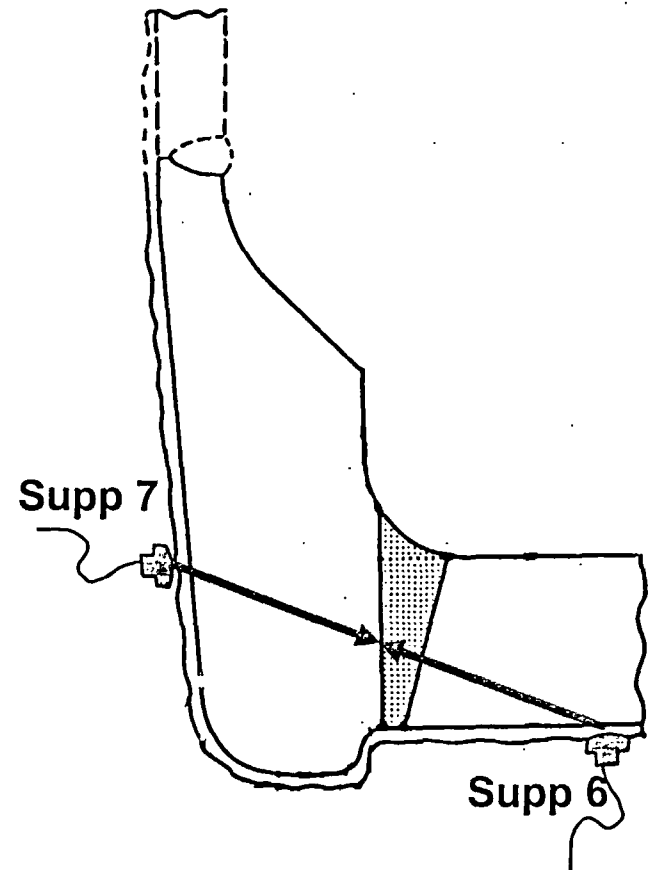
Code Activities

- Supplement 5 - Inside Corner Region
 - Revised to incorporate CC N-552
 - Applicable to OD exams
 - At Section XI in December
- Supplement 6 – RPV welds
 - Revise to allow representative distribution of flaws
 - At Task Group in December



Code Activities

- Supplement 7 – Nozzle Bore
 - Procedure Qualification
 - Applicable to ID exams from Bore
 - At Section XI in December
- Supplement 8 – Bolting – Complete?
- Supplement 9 – Cast Austenitic Piping
 - In course of preparation
- Supplement 10 – DM Welds – Complete?





Code Activities

- Supplement 11 – Weld Overlay
 - Revised to better define thickness tolerances, use of alternative flaws, application of grading units, and flaw distribution, depth sizing, and procedure qualification requirements.
 - At Main Committee in December.

- Supplement 12 – Coordinated implementation of 2, 3, 10, and 11.
 - Currently only applicable for coordinated implementation of Supplement 2 and 3.
 - Revise to exclude other Supplements?
 - Topic of discussion at next Appendix VIII Task Group Meeting.

Code Activities

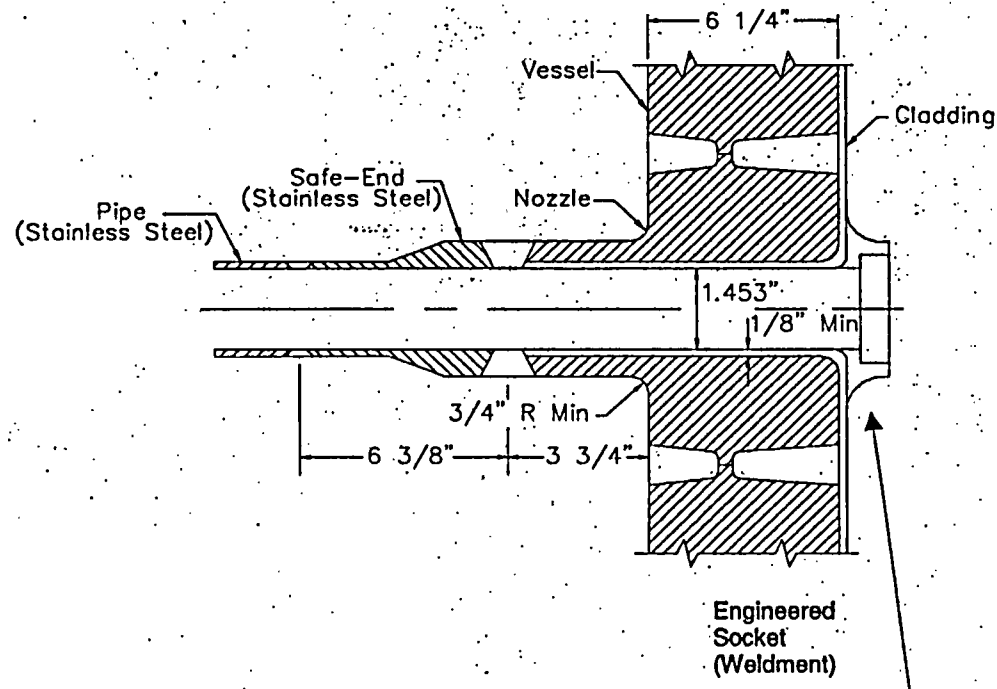
- Supplement 13 – Coordinated implementation of 4, 5, 6, and 7
 - Not Used or useful – Eliminate?
 - Topic of discussion at next Appendix VIII Task Group meeting.
- Supplement 14 – Coordinated implementation of 2, 3, and 10 from ID
 - Complete?

◆ New Items

- Revise VIII-2000 – General Requirements, to address essential variables associated with Phased Array?
- Revise VIII-3000 – Qualification Requirements, to address sizing of axial flaws when none are included in qualification test sets?
- Topic of discussion at next Appendix VIII Task Group meeting.
- CRC – Project Authorization prepared

Code Activities

- Elimination of clad from NICR.
 - At Water Cooled Systems in December.



Code Activities

- Include Butter in DM examination Volume.
 - At Water Cooled Systems in December.

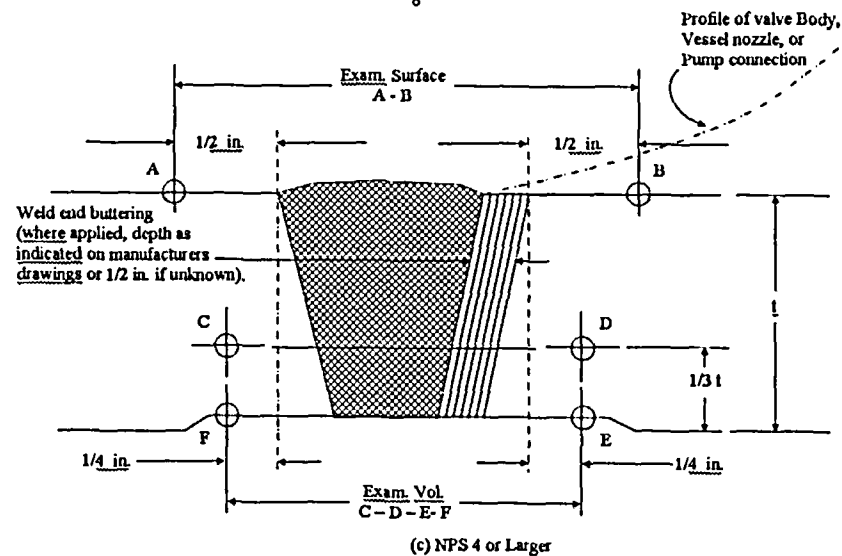


FIG. IWB-2500-8 SIMILAR AND DISSIMILAR METAL WELDS IN COMPONENTS, NOZZLES, AND PIPING
(CONT'D)
(1/2 in. = 13mm, 1/4 in. = 6 mm)