

NCSX June 2007 ETC
TABLE V - Basis of Estimate

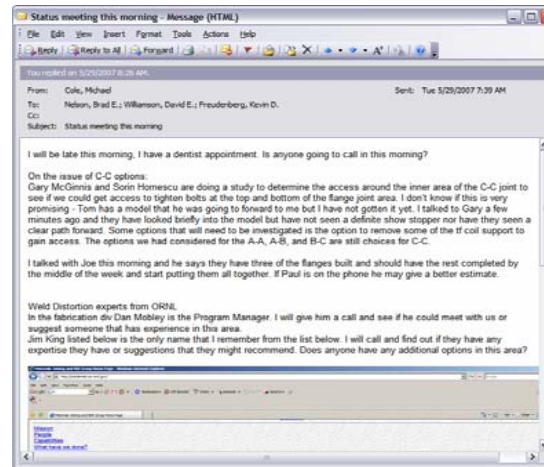
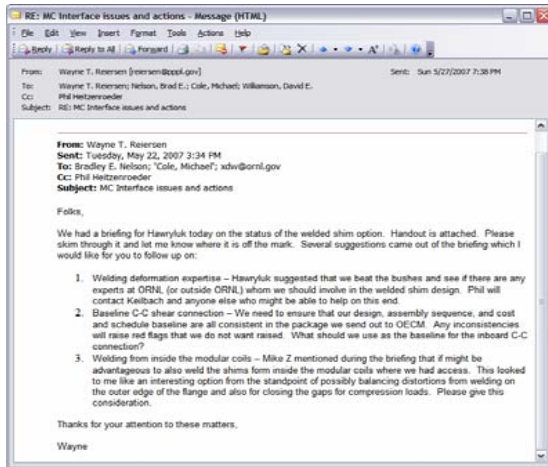
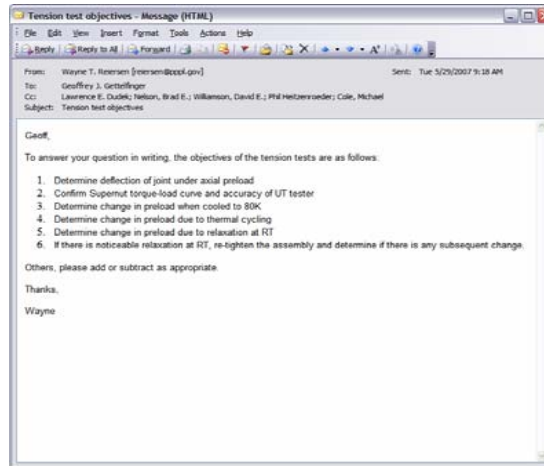
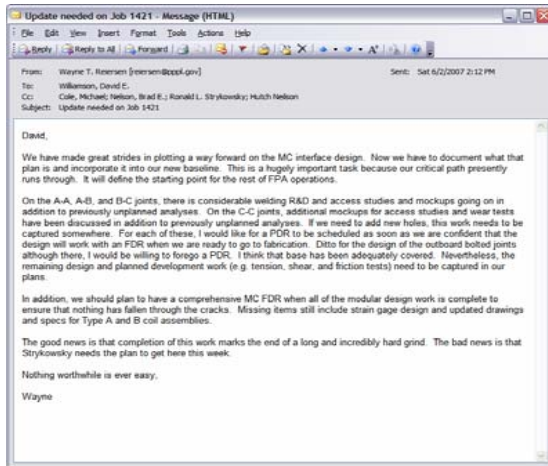
WBS Number: 142
WBS Title: Windings and Assembly
Job Number: 1421
Job Title: Design of Modular Coil Interfaces
Job Manager: David Williamson

Assumptions
Bladder design remaining and testing are in Larry Dudek's job 1431. Still need method to retain bladder and to provide bladder at B-A interface where bladder is much thicker

Engineering and Technician Hours

Color Key																		Comments for Engineering labor		Comments for Technician labor					
ORNL	PPPL	multiplier	40	80	100	60	40	0	0	20	240	40	160	40	40	80	40	16	1			8			
unit	unit	unit	hrs/model	hrs/model	hrs/dwg	hrs/dwg	hrs/dwg	hrs/dwg	hrs/dwg	hrs/dwg	hrs/calc	hrs/calc	hrs/calc	hrs/proc	hrs/spec	hrs/report	hrs/rev	hrs/wk	hrs			hrs/shift	shifts	time from detail	
Outboard Interface Design																									
IH4-020							1																		
INTRF-045																			1						
Bolted Joint Tests																									
Tension Tests of Bolted Joint																									
1421-3067																									
1421-3075																									
1421-3077																									
1421-3079																									
1421-3084																									
1421-3087																									
1421-3081																									
1421-3090																									
Bolt Shear Test at 77k																									
1421-3112B																									
1421-3115B																									
1421-3119B																									
Inboard Interface Design																									
IH1-001																									
1421-3125																									
1421-3127																									
1421-3132																									
AB/BC/AA welded joints																									
INTRF-050																									
INTRF-055																									
CC bolted joint																									
IH1-000																									
IH1-0000																									
Welded Joint Tests																									
Procedure																									
INTRF-035																									
INTRF-001																									
INTRF-005																									
INTRF-025																									
INTRF-030																									
INTRF-010																									
Test																									
INTRF-015																									
INTRF-020																									
Overall interface design																									
INTRF-040																									
1421-3134																									
1421-3136																									
1421-3138																									
FY07 Rebaseline exercise																									
ECPS3RBX05																									
Subtotal																									
scheduled and unscheduled meetings/reporting/presentations (25%)																									
TOTAL																									

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