DUNE-SP Technical Integration

- C-to-C ICDs
- Drawings, New and Updated
- Top/Bottom FC Mechanical Interface, examined April 2nd, 2020
 KDZ

Consortium to Consortium ICD (mostly a repeat)

- Two Four full weeks remain between now and the TC submission date.
- When the technical leads are satisfied with their edits, upload the document to EDMS and notify Terri and Kyle.
 - In Word, if you use the Review/Track Changes feature as a tool for editing, please finish and [accept/reject] the changes prior to completion. The same is true for comments left in the margins... these should be cleaned up
- Terri and Kyle will perform a checking step and pass along our collective comments to technical leads.
- At that point we have completed the editing and checking and are confident that the reviewers will be prepared to make an assessment.

Current Status

Not Done Yet -	→ Uploaded	Checkin	ng Complete	
NOT DOILE LET		onday February 17 to Friday Fe	<u> </u>	
Target Completion:	IVIO	niday February 17 to Friday Fe	ebruary 21	
2145150 COM and HV	We met briefly at CERN This	interface is not significan	t and should be non controver	rial
2143130 COM BING HV	We met briefly at CERN. This	s interrace is not significan	and should be non controver	3101.
	Mo	onday February 24 fo Friday Fe	ebruary 28	
Target Completion:				T
2088706 TPC CE and HV	Met at CERN. Feedback sent	Mar. 18		
88713 TPC CE and DAQ/SO	A parallel session was held	d at CERN. Feedback sent N	lar.24	
145159 COM and CAL/CI	Met at CERN. Converging we	ek ending April 3rd		
2145145 APA and COM	Talked to Alberto on the ph	one about tackling this one	when I'm at FNAL. Not a signi	ficant ICD
		Monday March 2 to Friday M	arch 6	
Target Completion:				
2145146 PDS and COM	Sent out a reminder. DW sa			
145158 APA and DAQ/SC			is not significant. AM confirm	ned.
2145142 HV and CAL/CI	Uploaded. Feedback sent M	lar. 25		
		Monday March 9 to Friday Ma	arch 13	
Target Completion:		1	<u> </u>	
88741 CAL/CI and DAQ/SO			erging over email.	
2088738 APA and HV 2088735 PDS and APA	Uploaded. Feedback sent M		and Man 25 Mark descriptions in	
2088733 PDS and APA	Met at CERN and at least on	le prione call. Projected upi	oad Mar. 25. Mech drawings in	decent snape
		Monday March 16 to Friday M	arch 20	
Target Completion:		includy march 25 to rinday in	arch 25	T
088736 APA and TPC CE	Met at CERN. Mech drawings	s in decent shape. Draft to	AM and CT on Mar.11. AM is rev	viewing now
088720 PDS and TPC CE	Met at CERN. Uploaded. Fee			
	·			
	1	Monday March 23 to Friday M	arch 27	
Target Completion:				
145147 TPC CE and COM	Met at CERN. The interface h	nere is very significant. Proj	ected upload April 2	
088726 PDS and DAQ/SC	Several two group calls have	e taken place. Projected up	load week ending on April 10.	
		Monday March 30 to Friday	April 3	
Target Completion:				
2088721 PDS and HV			ical descrepancies need atten	tion
45138 TPC CE and CAL/CI	·			
L45151 COM and DAQ/SC	Met at CERN with good discu	ussion. Clear that this is a s	significant interface. AT is wor	king on it
			ti en	
		Monday April 6 to Friday Ap	ril 10	
Target Completion:	T	- asimony forms Massics		
145136 APA and CAL/CI 145137 PDS and CAL/CI	Temp sensor integration is		nt over email nge. Things are converging, ch	ack back at the end of this
145137 PDS and CAL/CI	Met at CERN. PD does not wa		nge. mings are converging, ch	eck pack at the end of this v
145154 NV and DAQ/SC	INIEL AL CERN. NOL CONTROVERS	101	+	+
		Monday April 13 to Friday A	nril 17	
		monual April 13 to Friday A	ALIL TA	

Drawings, New and Updated

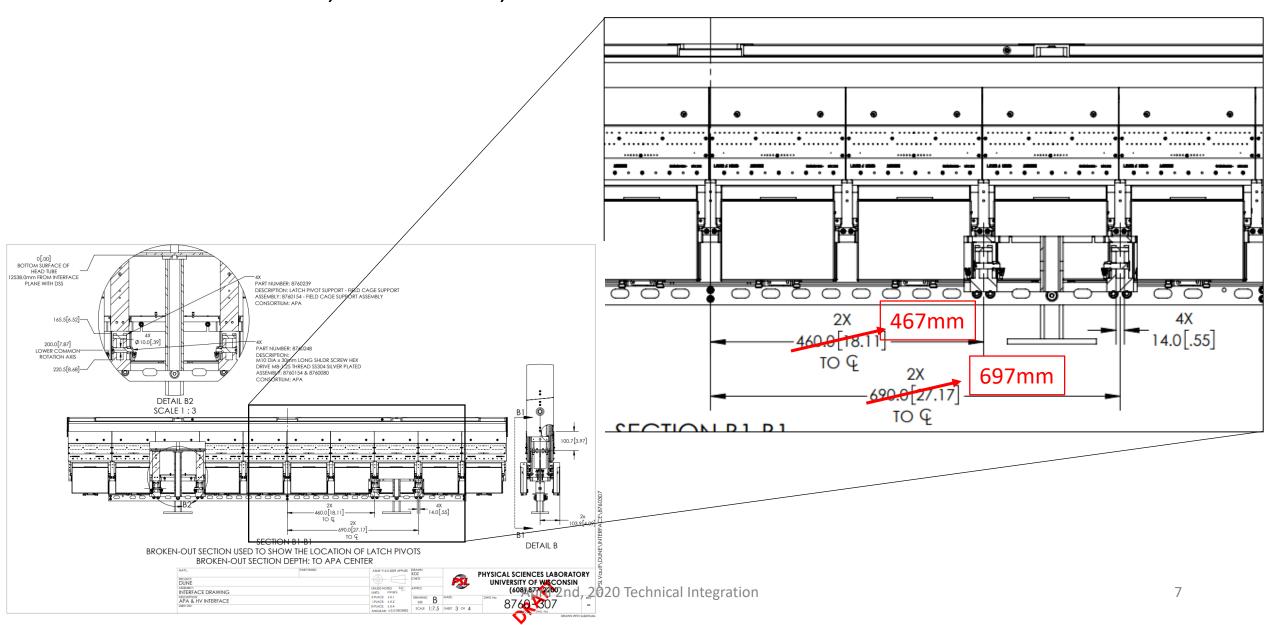
- 8760458 HVS to CAL/CI: LASER PERISCOPE ACCOMODATIONS
 - 2145142
 - 2145138
- 8760450 APA AND SHV
 - 2088736
- 8760455 APA AND HV END WALL
 - Sent out for internal review on email
- 8760305 MOUNTING FOR TPC CE CABLES, LOWER
 - 2088736
- 8760459 APA AND CAL/CI PE LASER FIBER ACCOMODATIONS
 - Working on it, not sent out yet

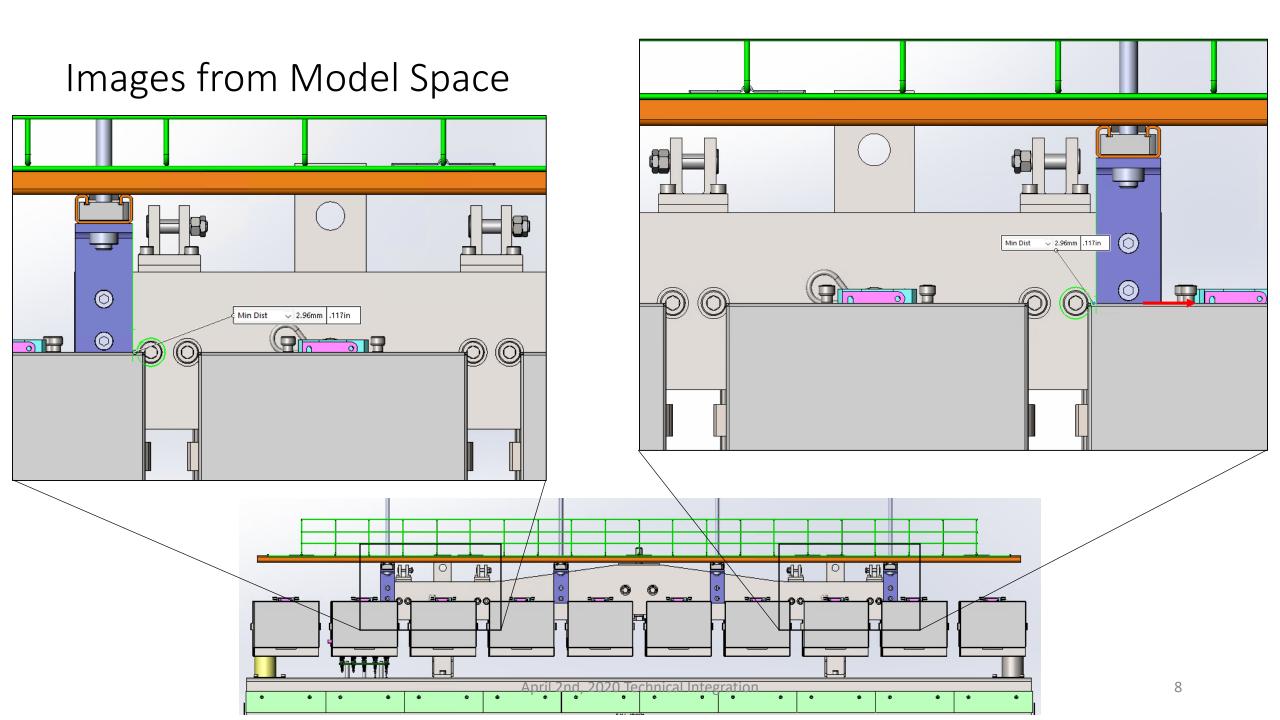
Top/Bottom FC Mechanical Interface

- It recently came to my attention that a change to the APA and HVS mechanical interface, at the top and bottom field cage, was proposed.
- Are there implications elsewhere?
- In the following slides, I've marked up drawings to demonstrate my understanding of what is being proposed.
- To be taken offline

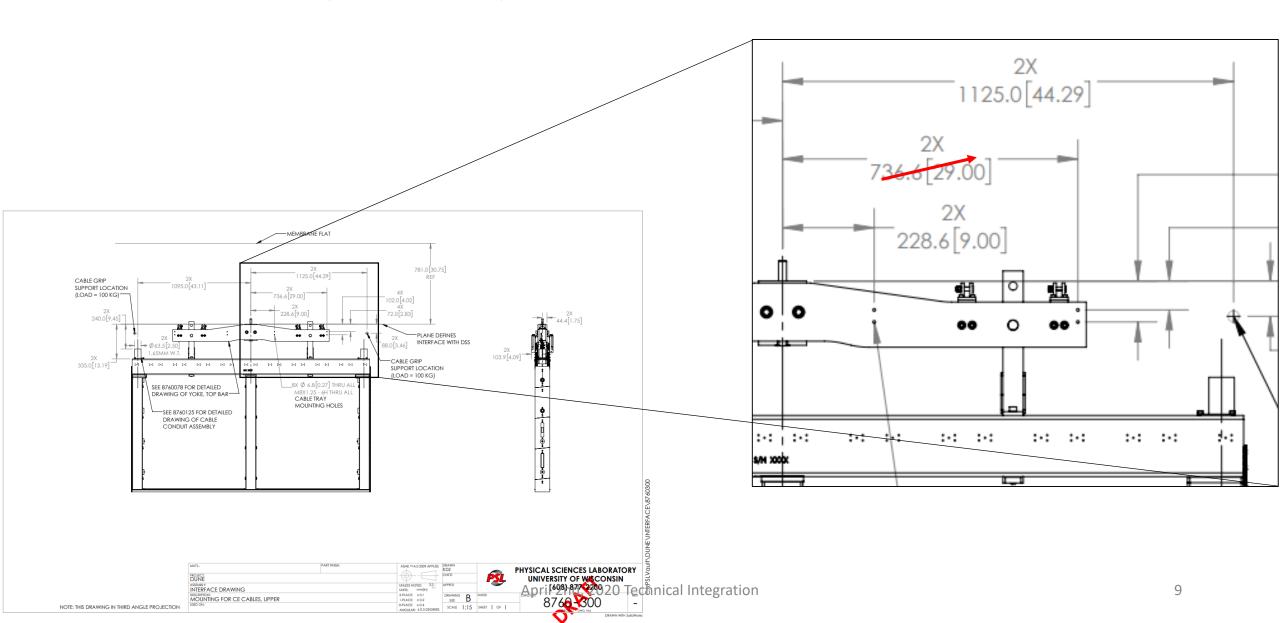
EDMS 2088738, 8760307, SHEET 2 697mm 467mm 14.0[.55] ○ Vello: 8/8= 0[.00] TOP OF APA YOKE 5.0[.20]-20.0[.79] UPPER COMMON ROTATION AXIS 40.5[1.59] SECTION A1-A1 PART NUMBER: 8760248 PART NUMBER: 8760258
DESCRIPTION: YOKE, STRIKER PIVOT
ASSEMBLY: 8760080 - YOKE ASSEMBLY DESCRIPTION: M10 DIA x 30mm LONG SHLDR SCREW HEX DRIVE M8-1.25 THREAD SS304 SILVER PLATED ASSEMBLY: 8760154 & 8760080 DETAIL A PHYSICAL SCIENCES LABORATORY UNIVERSITY OF WASCONSIN (608)/877722002nd 2020 Technical Integration ASSEMBLY: INTERFACE DRAWING APA & HV INTERFACE

EDMS 2088738, 8760307, SHEET 3





EDMS 2088736, 8760300, SHEET 1



Images from Model Space

