Progress Report

RIKEN/RBRC

Itaru Nakagawa

Proposed New INTT Meeting Time

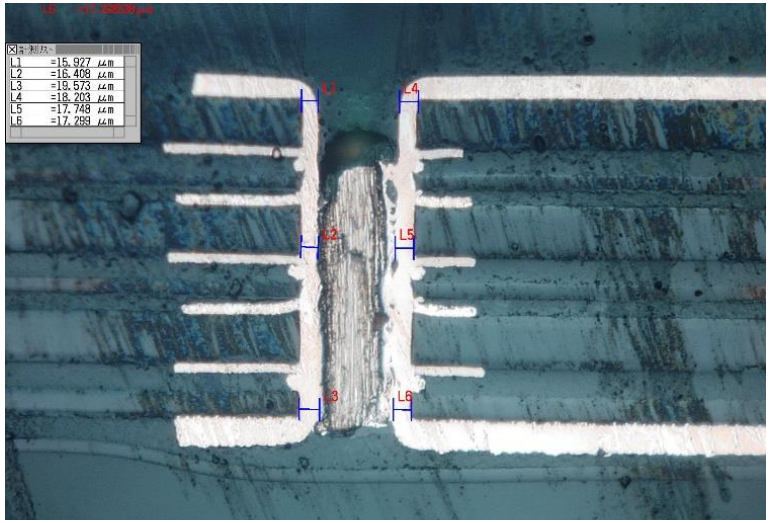
- Tuesday 9PM in BNL time = Wednesday 10AM in Japan = Wednesday 9AM in Taiwan
- The new meeting schedule is to be reflected from July 6th (July 7th in Asia).

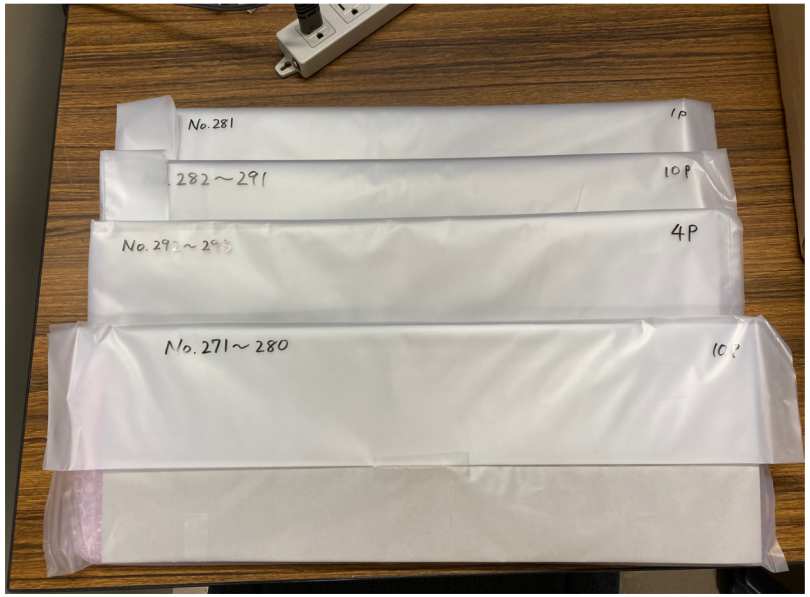
Please speak up if you cannot manage your schedule with this proposal.

3rd Batch HDI

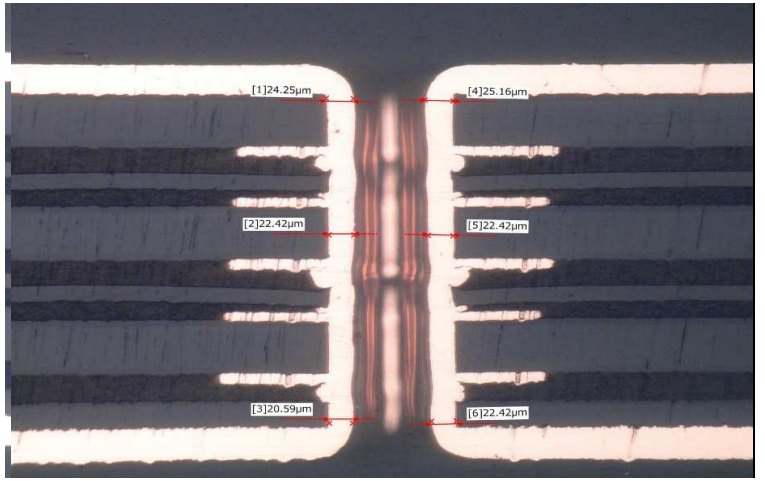
- June.28th : 11 HDIs were delivered on.
- July 6th : 14 HDIs were delivered.
- July 12th : 25 HDIs are to be shipped to BNL.
- July 19th : Another (upto) 20 HDI's to be delivered.

Thickness:15~18μm





Thickness:20~25μm

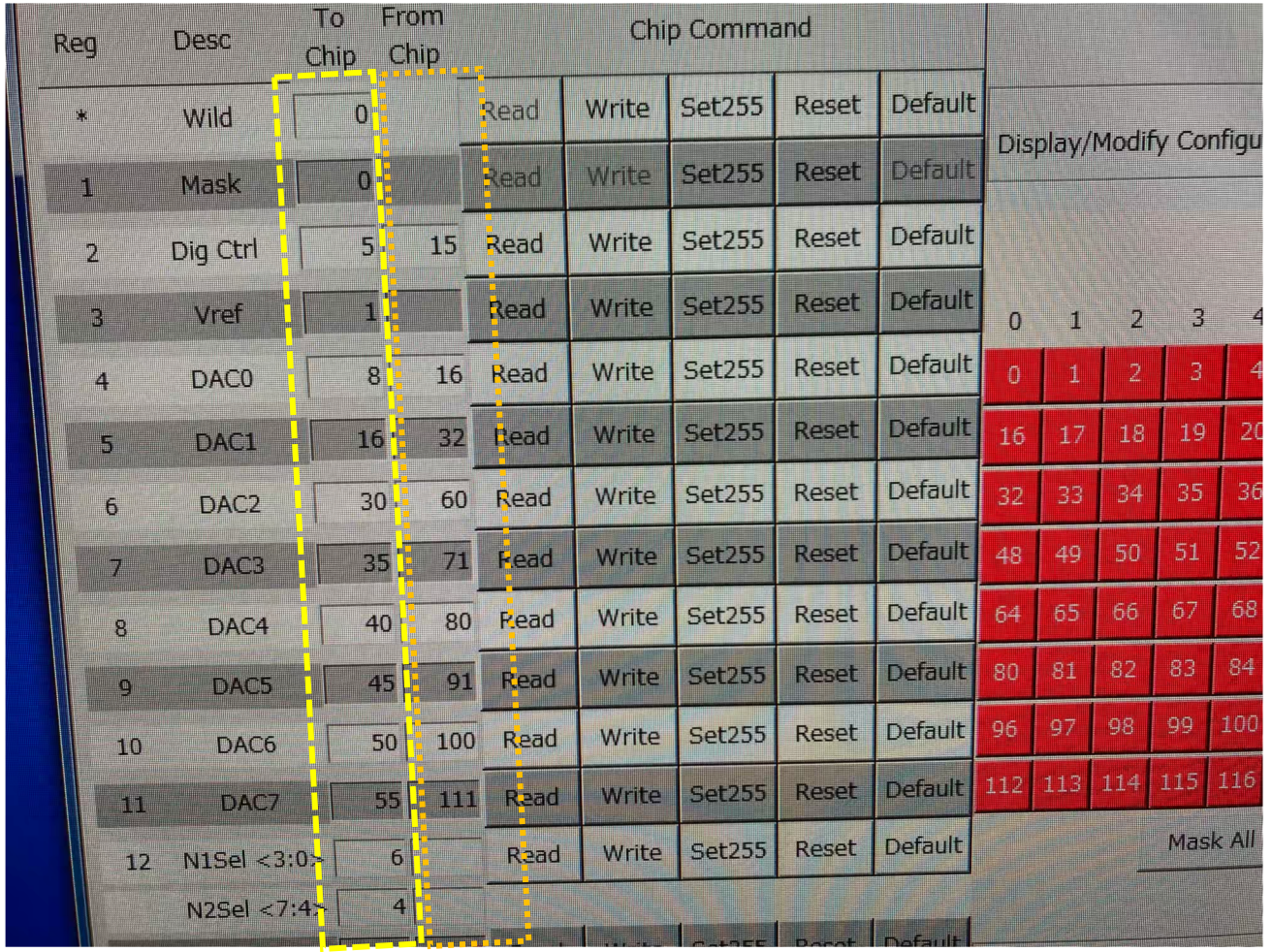


Delivery Day	Batch	Order #	LOT #	Quantity	HDI Serial No.		Incremented Quantity	Inspection	Result	Shipped to Taiwan
2019/1/23	Preproduction	349670	302382	6						
2019/2/6		349670	302725	4						
2019/9/11		350963	306716	20						
2019/11/20		Exchanged	307469	1						
2020/4/2	Batch-1A	352075	310184	9	1	9	9			
2020/4/2		352075	310185_1	7	10	16	16			
2020/4/2		352075	310185_2	13	17	29	29			
2020/4/2		352075	310186	30	30	59	59	50	Good?	
2020/4/28	Batch-1B	**352075**	**310188**	**17**	**60**	**76**	**76**	70	bad	
2020/4/28		**352075**	**310189**	**24**	**77**	**100**	**100**	80, 94	bad	
2020/6/8		352075	311139	2	101	102	102			
2020/6/8		352075	311587_1	7	103	109	109	105		6
2020/6/17		352075	311587_2	2	110	111	111			
2020/6/17		352075	311614	15	112	126	126	122		14
2020/6/24		352075	311615	21	127	147	147	127		20
2020/7/9		352075	312095	20	148	167	167	-160		
2020/7/9		352075	312096_1	6	168	173	173			
2020/7/21		352075	312096_2_1	7	174	180	180			
2020/7/28	Batch-1A	Exchanged	312096_2_2	1	24	24	180			
2020/9/28	Batch-2	353110	312532	20	181	200	200			
2020/9/28		353110	312533	16	201	216	216			
2020/9/29		353110	312534	7	217	223	223	-220		
2020/9/29		353110	312535	14	224	237	237			
2020/9/29		**353110**	**312536**	**7**	238	244	244			
2020/10/27		**353110**	**313304**	**24**	245	268	268	265		3
2020/11/27		353110	313673	2	269	270	270			2
2021/6/28	**Batch-3**		**317333_2_2**	**11**	**271**	**281**	**281**			
2021/7/5			**317338**	**14**	**282**	**295**	**295**			

Readbacker Test in RIKEN Test Bench

- Takashi&Runa's readbacker has been tested in RIKEN test bench.
- Readback values are somehow not exact.
- Looks like readback data is shifted by 1 bit in many cases but not all cases.
- This response is common to all parameters.

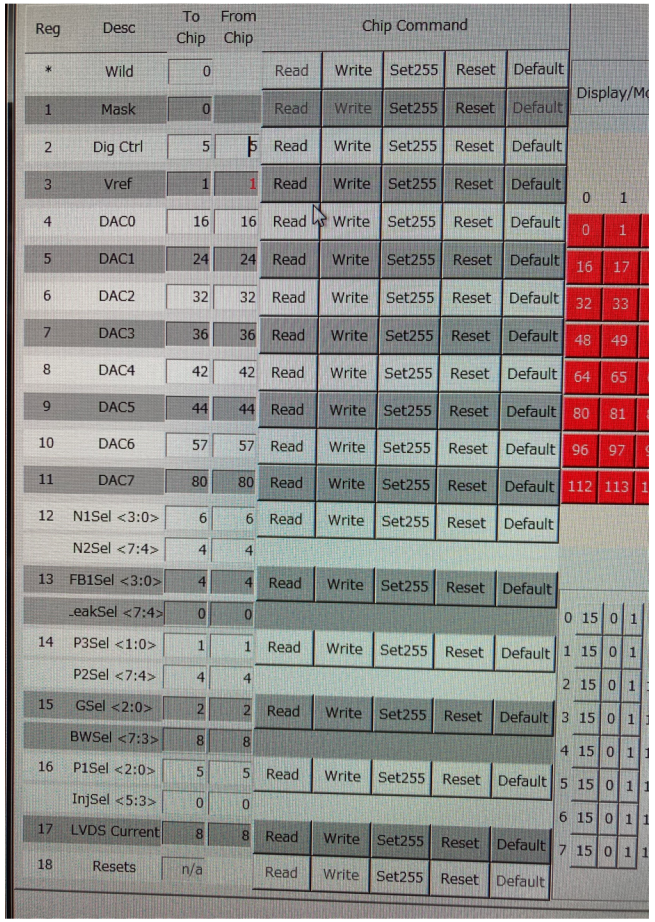
With Bus Extender



input readback

Readbacker Test in RIKEN Test Bench

- Readback Values are now consistent with write values.
- Consistent observation with NWU.



Without Bus Extender

Readback debugging in progress

- Will trace back SC data from FEM-IB to FPHX to locate where the bit is screwed up.
- The ROC in RIKEN is one of the ROCs took out from the FVTX big wheel.