

Light Readout Installation schedule

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- Updated construction and installation schedule discussed at the last IB on 7/04/17
- Not yet finalised but should be the reference for PRR end of April



LRO meeting 10/04/2017

LRO installation schedule depends directly on the installation sequences in the cryostat:

- CRP
- Field Cage and Cathode

The CRP assembly depends on LEM and anode production strategy (and LAS = LEM + Anode Sandwich assembly)

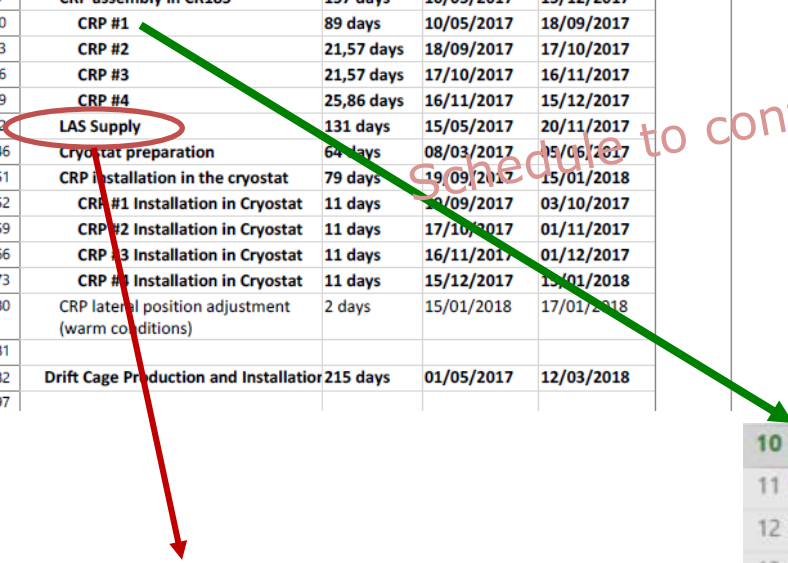
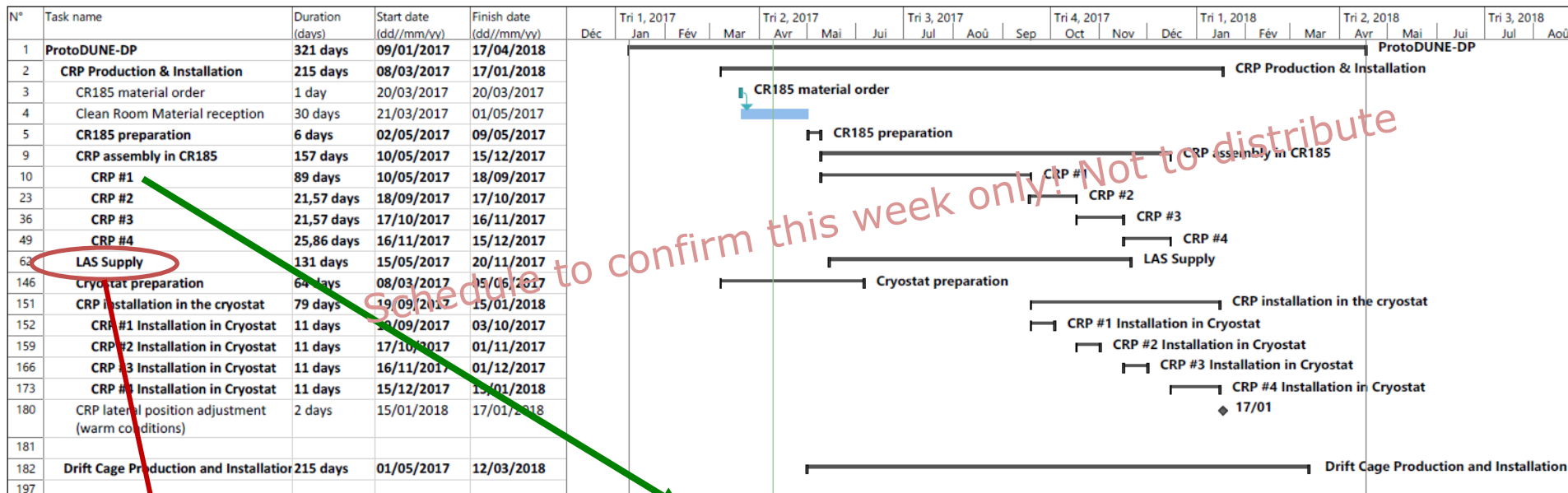
- The default planning 3 weeks ago was to start full LEM production (160) by 2 firms on April 2017 but this has changed since the last Collaboration meeting

Main changes are:

- First do a first production of 80 LEM+anode enough to build at least the two first CRP before giving the green light to full production
- The t0 to start the first production has moved by 6 weeks to start middle of May

CRP Production and Installation

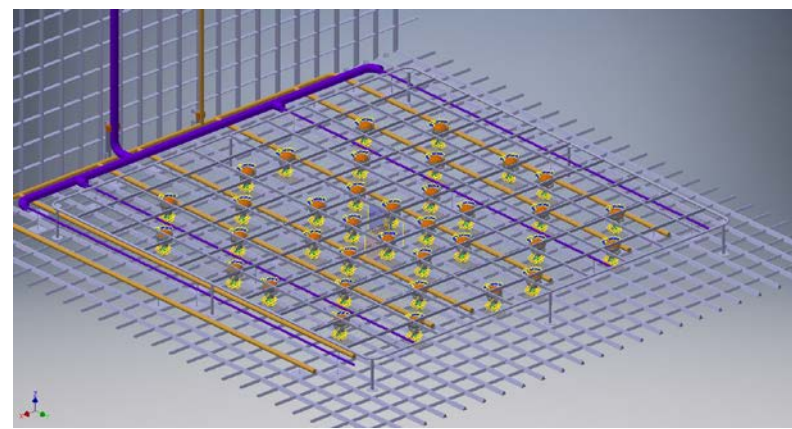
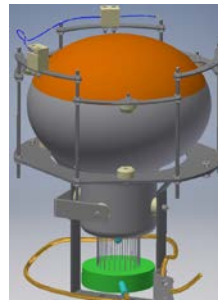
schedule Version 7/04/2017: scenario TCO ready to close on 17/04/18



LAS supply is now divided in 2 main parts corresponding to the 2 providers and the 2 productions

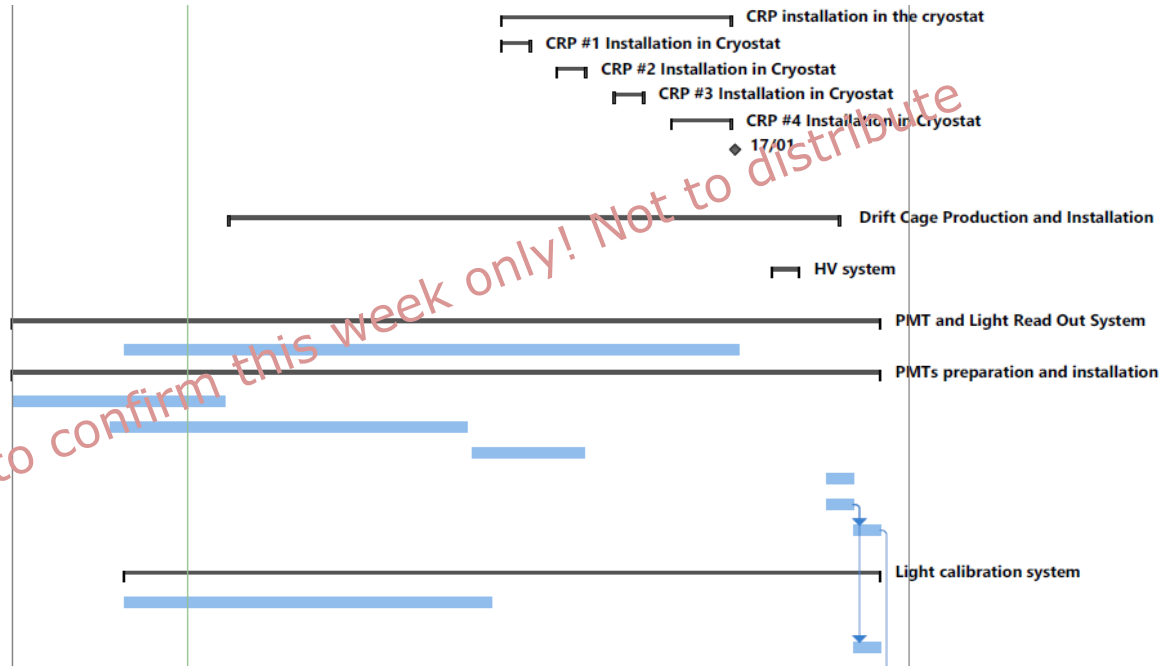
N°	Task name	Duration (days)	Start date (dd/mm/yy)	Finish date (dd/mm/yy)
10	CRP #1	89 days	10/05/2017	18/09/2017
11	Parts reception in CR185	1 day	10/05/2017	10/05/2017
12	Supporting structure assembly	1 day	11/05/2017	11/05/2017
13	Invar frame on supporting structure	4 hr	12/05/2017	12/05/2017
14	G10 assembly on optical table	1 day	11/05/2017	11/05/2017
15	G10 and Invar connection	1 day	12/05/2017	15/05/2017
16	LAS assembly on CRP	4 days	21/08/2017	24/08/2017
17	Instrumentation assembly	2 days	25/08/2017	28/08/2017
18	Grid weaving	5 days	29/08/2017	04/09/2017
19	Grid Installation	5 days	29/08/2017	04/09/2017
20	Planarity tuning	4 days	05/09/2017	08/09/2017
21	Electrical Tests	5 days	11/09/2017	15/09/2017
22	Packing in transport box	1 day	18/09/2017	18/09/2017

Light Readout System



Updated schedule 7/04/2017

151	CRP installation in the cryostat	79 days	19/09/2017	15/01/2018
152	CRP #1 Installation in Cryostat	11 days	19/09/2017	03/10/2017
159	CRP #2 Installation in Cryostat	11 days	17/10/2017	01/11/2017
166	CRP #3 Installation in Cryostat	11 days	16/11/2017	01/12/2017
173	CRP #4 Installation in Cryostat	11 days	15/12/2017	15/01/2018
180	CRP lateral position adjustment (warm conditions)	2 days	15/01/2018	17/01/2018
181				
182	Drift Cage Production and Installation	215 days	01/05/2017	12/03/2018
197				
198	HV system	10 days	05/02/2018	19/02/2018
200				
201	PMT and Light Read Out System	310 days	09/01/2017	02/04/2018
202	LRO electronics	218 days	08/03/2017	19/01/2018
203	PMTs preparation and installation	300 days	09/01/2017	02/04/2018
204	PMT base design and manufacture	80 days	09/01/2017	28/04/2017
205	PMTs characterization	132 days	01/03/2017	31/08/2017
206	TPB coating	42 days	04/09/2017	31/10/2017
207	Splitter tests and installation	10 days	05/03/2018	19/03/2018
208	PMT support structure	10 days	05/03/2018	19/03/2018
209	PMT installation in cryostat and cabling	10 days	19/03/2018	02/04/2018
210	Light calibration system	258 days	08/03/2017	02/04/2018
211	fibers, light source tests and procurement	136 days	08/03/2017	13/09/2017
212	Fiber calibration system installation	10 days	19/03/2018	02/04/2018



PMT Installation in cryostat in March 2018