

# LSD Schedule Development Status

15 March 2012

D. Napier

P. Collins/H. Derby

**CALENDAR DAYS UNTIL  
START OF DOWN:  
65**

# Schedule Development - Timeline & Status



- Develop Primavera Framework (WBS) – **By 20 Jan 2012**
- Pull in available plans into Primavera – **All schedules by Mid Feb 2012 to Mid March 2012**
- Schedule Validation Process, Edits, & Roll up details not needed for resource leveling or progressing – **Mid Feb 2012 to ~~Mid March 2012~~ April 2012**
  - **Note: Must do this in parallel while pulling in plans**
- Resource Leveling Process & Edits – **~~Mid March 2012 to Mid April 2012~~ April 2012**
- Baseline & Start of Change Control Process – **~~By mid April 2012~~ end of April**

# Schedule Snapshot

- Posted to website front page (under integrated schedule folder):
  - [https://www.jlab.org/div\\_dept/directorate/proj\\_mgmt/lsd/index.html](https://www.jlab.org/div_dept/directorate/proj_mgmt/lsd/index.html)
  - User ID & Password required to access website
  - Schedules also available in M:\TLSD\SCHEDULES (this is the link for the “integrated schedule folder”)
  - Schedules Reviewed & Action items are posted under “Review” folder
  - Hall A Schedule, FML schedule, Hall B De-Installation, FEL (pdf and excel version) are posted
- Submit all schedules & feedback for schedules to:
  - [patrickc@jlab.org](mailto:patrickc@jlab.org)
  - [derby@jlab.org](mailto:derby@jlab.org)
  - [dnapier@jlab.org](mailto:dnapier@jlab.org)

# Detailed Schedule Requirements

- **Activity Description:** A clear and concise description. Describe only the work for that activity.
- **Resources:** Effort by the resource that are required for the work in that activity. Choose from the detailed list provided.
- **Duration:** How long it will take to perform the activity.
- **Project Code Abbreviation:** 12GeV, UIM, TEDF, Nuclear Physics, FEL – if not known – note “Funded” or “Not Funded”
- **Start Date:** Date that you plan to start the activity.
- **Finish Date:** Date that you plan to complete the activity.
- **Calendar:** Make sure you put the Jlab holiday calendar in your schedule.
- **Predecessor:** The preceding activity.
- **Successor:** The following activity.

# Hall A Schedule Validation Review (16 Feb) - Action Items (Outstanding) - Revised Schedule sent 9 March

1. Add Compton can fiducialization (Ed Folts)
2. Add time on alignment task (beamline) for Compton (Ed Folts)
3. Compton BPM can – special. Does I&C know about? (Ed Folts)
4. Compton design “mini-review” (people that install the work can look at it). Not in fabrication yet, currently under design (Ed Folts)

# FML Schedule Validation Review (28 Feb) - Action Items (Outstanding) - Revised Schedule sent 7 March

1. Tunnel Dehumidifier replacements – need locations and durations and timing for each to add in the schedule (possible beamline impacts for some locations). **(B. Sperlazza)**
2. Tunnel penetration repair – location/WG prototype/duration needed in schedule – waiting for 12GeV Accelerator schedule first to fit in appropriately. **(B. Sperlazza)**

# Hall B De-Installation (9 March) - Action Items (Outstanding) Revised Schedule **NOT** sent

1. Enumerate Hot work permit needs within schedule. (Hot work for removal of the two clamshells and being worked with D. Kausch. Contractor hired to cut clamshells. Need to capture this in the integrated schedule **(D. Tilles/Pat Collins)**)
2. Call out safety system group (SSG) work on Run Safe Boxes **(D. Tilles)**
3. Call out Jan 2013 survey network work in the schedule (line item). Need timing and duration. A refiducialization to be done before major equipment back into the hall. **(D. Tilles)**
4. Add electrical techs for the cable removal (this is 6 techs) (DC Power, RF Tech, and I&C Tech) **(D. Tilles)**
5. RadCon resources needed in the schedule **(D. Tilles/W. Akers with K. Welch)**
6. Remove 12GeV items from this De-installation schedule **(D. Tilles/W. Akers)**

# FEL Schedule Validation Review (14 March) - Action Items (Outstanding)

1. Add activity for FLO2 needs U-tubes work and transfer line maintenance (resources, hours, duration) (B. Legg)
2. Update Admiral installation and commissioning schedule (to mid Feb 2013 and finish commissioning end of March 2013) to SRF schedule. (B. Legg/P. Collins)
3. Add SRF/other resources to Admiral rebuild plan (M. Drury/B. Legg)
4. Remove S&A resource from activity 1273005 activity (VUV Work) & entire VUV work section (1.27.3) (P. Collins)
5. Change BL hours from 32 to 40 hours on activity 1274000 for the mech tech resources. 32 hours is for the S&A resources (P. Collins)
6. Update FLO2 CM removal from (January 2013) to be in conjunction with Admiral work (M. Drury/B. Legg)
7. Activity 1275004: remove 8 quads, stands, viewers, BPMs from 4F and 3F – add mechanical tech (vacuum and inst) resources and hours (N. Wilson/B. Legg)



## FEL Schedule Validation Review (14 March) - Action Items (Outstanding)

8. 1275010: Install 6 quads, etc... - add mech tech resources (N. Wilson/B. Legg)
9. Breakout group needed for the following (G. Biallas, C. Curtis, N. Wilson, J. Heckman, J. Coleman, R. Lauze/S. Wood, K. Baggett)
  - a. Break down Dark Light quad (stands, bolts, 8Fo1, 8Fo3) install into smaller steps and resource them. Add logic for not having to split quads for alignment.
    - including alignment (layout points on the floor, and stand alignment). And adding drilling holes in floor.
  - b. EESDC support for dark light (trim 2 support).
  - c. Break out resources in smaller chunks for Dark Light.
  - d. 1.27.7.5 reinstall beamlines section to be re-worked like the breakdown of darklight
10. Activity 1275065 Install Happex Girder in 6F – add resources for mech tech. (N. Wilson/B. Legg)

# FEL Schedule Validation Review (14 March) - Action Items (Outstanding)

11. Activity 1275070 and 1275071 (fix 80 hours on 5070) and add mech tech resources to 5071 (N. Wilson/B. Legg)
12. Implement S&A estimates provided by C. Curtis to George into the schedule. (B. Legg)
13. Activity 1275080 Software resources and hours (field maps to be loaded, etc). (M. Poelker/B. Legg)
14. Add remove “dark light” and restore beam lines for IR ops. (B. Legg)
15. Add cooldown of FEL after warmup of CHL1 (including CM maint, Ins Vac Spaces). (B. Legg/J. Heckman/M. Drury)
16. Can waveguides for admiral be done beforehand?? (C. Curtis)
17. Fiducialize in cave to be added (B. Legg/C. Curtis)
18. Remove warm CM to 300K (activity 12771020)
19. Add logic for 4K trip at beginning of the down and push out run schedule for FEL (B. Legg)

## FEL Schedule Validation Review (14 March) - Action Items (Outstanding)

20. Add warm region girder mod for Admiral and resources/hours – mech tech. (N. Wilson to provide information to B. Legg)
21. Have RadCon review FEL schedule and input information if changes needed (B. Legg/K. Welch)
22. Breakout activity 12772035 and review resource assignments/hours. (B. Legg/R. Lauze)
23. Activity 12775025 reinstall block and dam to be linked with admiral installation (12772000) as it can be done with the same crane. (B. Legg/P. Collins)

# Schedule Validation Process - Status & Timeline

- **Revisions from Review:**

- FML (B. Sperlazza) - revision March 7<sup>th</sup> sent to PMI and implemented. D. Napier to check action items for completion.
- Hall A (E. Folts) – last revision March 9<sup>th</sup> sent to PMI and implemented. D. Napier/W.Oren to check action items for completion.
- Hall B De-Installation (W. Akers) – NO revised schedule sent since re view held 9 March 2012
- FEL (G. Neil/B. Legg) – **March 14<sup>th</sup> review held (2:30–4:30 CCF 324-325)**

- **Ready for Review:**

- None

- **PMI Implementation into P6 Schedule:**

- Hall C De-Installation (W. Akers) – Received revised schedule. (Qweak input for de-installation activities and HMS cooldown/PS testing (12GeV) to be included). **March 21<sup>st</sup> meeting scheduled (3:00–4:30pm CC F324-325)**

# Schedule Validation Process - Status & Timeline

- **In Development by Project Managers:**

- Hall D (E. Chudakov) – Hall D “Tom Carstens” schedule reviewed by 12GeV – sent to W. Akers. Waiting on input from Walt. (will review in MS project format due to review date of **March 19<sup>th</sup> meeting scheduled (1:30–2:30pm CC F324-325)**).
- PEPPo & Non 12-GeV Accelerator (S. Suhring/A. Freyberger) – Need major work schedule (injector rebuild, hall a dump work, CM cooldown & maintenance). **March 23<sup>rd</sup> meeting scheduled (10:00–12:00pm Location TBD)**
- 12GeV Accelerator (L. Harwood) – being revised. 12GeV project schedule sent to L. Harwood for review against detailed schedule. **March 28<sup>th</sup> meeting scheduled (2:30–3:00pm Location TBD)**
- 12GeV Hall B (Latifa) – being revised. Tentative: **April 4<sup>th</sup> meeting scheduled (2:30–3:00pm Location TBD)**
- 12GeV Hall C (H. Fenker) – being revised. Tentative: **April 6<sup>th</sup> meeting scheduled (3:00–5:00pm Location TBD)**