

Summary Session 7- Accelerators and non-LHC Experiment Areas Consolidation up to LS3

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Scope of Session

- Analysis of consolidation requests per machine/facility, as seen from operations
- Limited to system groups closely related to operations
 - LHC injectors (protons and ions)
 - Experimental areas (North, East)
 - Low and medium energy facilities (AD, ISOLDE, nTOF)
 - LHC → covered in session 8



Goals

- Understand priorities for consolidation requests from operation (impact on machine availability, etc.)
- Completes input for decisions on consolidation budget allocations foreseen for end October 2014.
- Preparatory work and input:
 - Consolidation requests on system basis formulated by the technical groups
 - Summarized in existing consolidation planning
 - (Updated) group presentations in IEFC meetings during last few months



Session Overview

- Linacs R. Scrivens
- PSB & PS S. Gilardoni
- SPS J. Ridewood
- AD & LEIR T. Eriksson
- North and East areas A. Fabich
- ISOLDE & nTOF R. Catherall

Few examples for areas of discussion

- Responsibility for DC cables
 - Decision taken by F. Bordry → EN-EL taking over
- General (large) items of high priority
 - Cable cleaning campaigns PS complex and SPS
 - Incompatibility of NA consolidation with LS2 planning and available personnel for LHC injectors
 - ... see single presentations



Main issues

- Divergence between identified areas requiring consolidation and available resources (mainly personnel)
- Example 2014 (at time of Chamonix workshop):
 - 66 MCHF bottom up requested
 - 49 MCHF allocated
 - 21 MCHF charged
 - 34 MCHF committed
- Future budget allocations depending on
 - Risk rating (also taking into account non-LHC facilities)
 - Availability of personnel
 - General optimization (economies of scale, etc.), coordination between activities of different groups, etc.



Organisation

- New scheme being setup
 - All consolidation requests centralised in APT
 - thanks to DPOs and K. Pokorska
 - Update and review twice per year (MTP in April plus final budget in October)
 - Quarterly reporting
- Procedure presently being reviewed by DPOs
→ will be available in EDMS and ready for new allocations upcoming end October.



Overall optimization, next steps

- Consolidation is not alone
- Links to HL-LHC, LIU, neutrino platform, ELENA and HIE-ISOLDE are vital
- Risk of over-allocation without feasibility.....
- Global approach covering LHC & injectors and all non-LHC facilities and experimental areas
 - Optimize risk analysis concept to cover also non-LHC facilities (AD, etc.).
- Coordination of activities of single groups
 - Global priorities
 - Common approach
 - Synergy, savings, etc.



Thanks to the speakers, IEFC and GLs for the preparation

Links: <http://indico.cern.ch/event/315665/other-view?view=standard>

