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