

1. Mandate

The mission of the Slot Length Administration Taskforce (SLAT) is to maintain and administer the list of "slot" modules of allocate and manage longitudinal space from end-to-end of the accelerator. Examples of slots are DTL tanks, the ion source, and cryomodules.

Each equipment component along the beam-axis of each slot will have its longitudinal space allocated and managed by SLAT. Examples of equipment components are RFQ modules, quadrupoles, dipoles, vacuum ports and beam instrumentation.

2. Definitions

The linac begins at the ion source and ends at the target window. There are three major sections: normal conducting linac, superconducting linac and HEBT.

For convenience, the linac is divided into slots. A slot is a one-dimensional, generic organisational unit with an owner who is responsible for listing what components go inside each instance of the slot.

Slots have multiple stakeholders, but only one owner. The owner is responsible for recording the compatible real estate needs of all the equipment component stakeholders when there is a consensus, or for ensuring that the SLAT task force manager is aware when consensus is difficult to achieve.

3. Members

The SLAT is composed of the task force manager, slot owners (or their representatives) and at least one representative from the Beam Physics group.

4. Responsibilities

The SLAT manager is responsible for

- a) ensuring good communication between all slot owners, especially regarding interfaces;
- b) maintaining and administering the list of different slots and their primary attributes, such as owners and lengths;
- c) communicating the slot lengths to the relevant stakeholders (e.g. BLED);
- d) escalating any conflicts to the project leader for ADU and if necessary to the ADU Technical Board.

The owners of the slots are responsible for

- a) space allocation inside their respective slots;
- b) ensuring good communication between slot component real estate stakeholders;
- c) assuring proper use of the space inside the slots;
- d) managing their interfaces with adjacent slots.

5. Meetings

Meetings are held with appropriate frequency, timed to facilitate the design of the linac layout and its equipment. The meetings can be restricted to cover only one section or one type of slot.