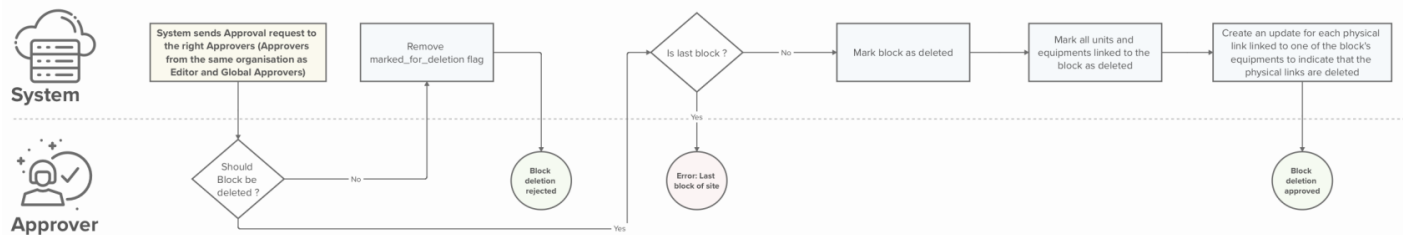


# 7.8. Approve delete block request

Approve delete block request



| Name                | Approve delete block request                                                                                                                                                                                    |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose             | Allow Approver to validate a block delete request                                                                                                                                                               |
| Linked user stories | <a href="#">3.36. Editor - Delete a block</a><br><a href="#">4.48. Approver - Approve deleted block request</a><br><a href="#">4.53. Organisation Approver - Approve deleted block request for organisation</a> |
| APIs used           | <b>PUT</b> /blocks/<block-id>/approve<br><b>PUT</b> /blocks/<block-id>/reject<br><b>PUT</b> or <b>PATCH</b> /blocks/<block-id>                                                                                  |
| Scope               | This process only handles the validation of an already created block deletion request                                                                                                                           |
| Roles               | System, Approver / Global Approver                                                                                                                                                                              |
| Input               | - id of the block that is marked for deletion<br>- optionally the information to amend                                                                                                                          |
| Output              | - confirmation that the update request has been approved/rejected                                                                                                                                               |

## Detailed Process description

### Main Process

| Step | Description                                                                                                                                                        | Actor(s) | Input(s)                                              | Output(s)                                                                                                                                        | Decision points                                                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1    | The System sends out notifications to the Global approvers and organisation approvers, indicating that an approval is pending.                                     | System   | - Outside trigger (e.g. Editor sent a delete request) | - notification to the Global and organisation Approvers                                                                                          |                                                                                                   |
| 2    | The Approver verifies if the block can be deleted                                                                                                                  | Approver | - Block deletion request                              | - yes / no                                                                                                                                       | <b>If the site can be deleted:</b><br>Go to step 3<br><b>Else:</b><br>Go to secondary process S.1 |
| 3    | The System verifies if the site has other blocks than the one being deleted                                                                                        | System   | - Block to be deleted                                 | - yes / no                                                                                                                                       | <b>If the site has more blocks:</b><br>Go to step 4<br><b>Else:</b><br>Go to E.1                  |
| 4    | The System marks the block with the flag "is_deleted = true" and adds the information on the date of validation and the user that validated the request            | System   | - block with flag "marked_for_deletion = true"        | - block with flag "is_deleted = true"<br>- approver set to the user that triggered the approval<br>- approval date set to the current date       |                                                                                                   |
| 4    | The System sets all the objects linked to the block with the flag "is_deleted = true" (units, equipments).                                                         | System   | - block                                               | - all linked objects marked with the flag "is_deleted = true"                                                                                    |                                                                                                   |
| 5    | The System creates validated update requests with the flag "is_deleted = true" for each active physical link that are connected to at least one unit of the block. | System   | - block                                               | - new validated physical links with the flag "is_deleted = true" for each active physical link that links at least one unit of the deleted block |                                                                                                   |
| 6    | The Approver gets a confirmation that the approval has been applied                                                                                                | Approver | - confirmation of the validation                      |                                                                                                                                                  |                                                                                                   |

## Secondary Processes

### S.1. Delete block request rejected

| Step | Description                                                                   | Actor(s) | Input(s)                                  | Output(s)                                         | Decision points |
|------|-------------------------------------------------------------------------------|----------|-------------------------------------------|---------------------------------------------------|-----------------|
| 1    | The System removes the mark_for_deletion tag from the block entry             | System   | - block marked for deletion               | - block with the flag "mark_for_deletion = false" |                 |
| 2    | The Approver gets a confirmation that the deletion rejection has been applied | Approver | - deletion request rejection confirmation |                                                   |                 |

## Error Processes

### E.1. Last block can't be deleted

| Step | Description                                                                           | Actor(s) | Input(s)                             | Output(s) | Decision points |
|------|---------------------------------------------------------------------------------------|----------|--------------------------------------|-----------|-----------------|
| 1    | The Approver gets an error indicating that the last block of a site cannot be deleted | System   | - Error: last block can't be deleted |           |                 |

## Exceptions

### [400 Bad Request] Invalid input:

If mandatory fields are missing or invalid, the system returns an error message. If some addresses do not exist in the system, this is also considered as a bad request.

### [404 Not Found] Block not found

Error returned by the system if the block is not found.

### [409 Conflict] Block not marked for deletion

Error returned by the system if the block being validated is not marked for deletion.

### [500 Internal Server Error] System Error

If the system fails to save changes due to an internal error, it displays an appropriate message and logs the error for further investigation.