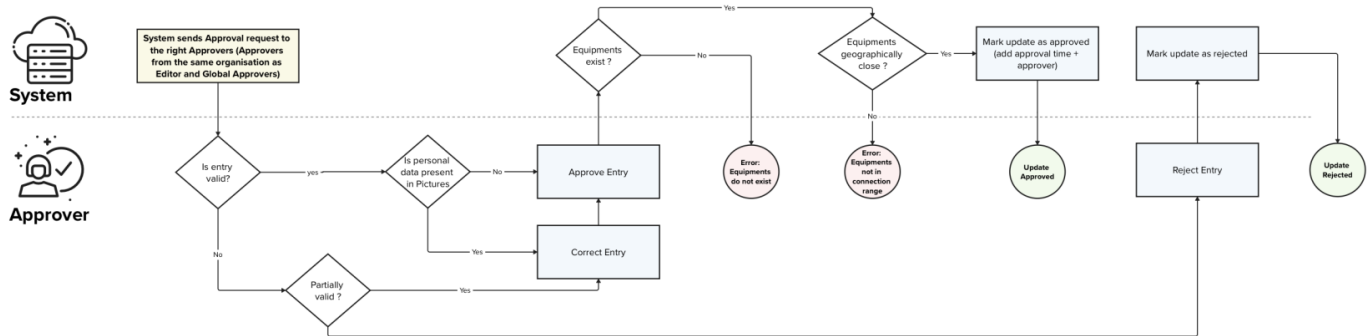


# 7.6. Approve update vertical cabling request

Update request for a physical link between two equipments



| Name                | Approve update vertical cabling request                                                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose             | Allow Approvers to validate an update request for a vertical cabling entry between two equipments                                                                                                                                                                                        |
| Linked user stories | <a href="#">4.51. Approver - Approve or reject update vertical cabling request</a><br><a href="#">4.56. Organisation Approver - Approve or reject update vertical cabling request for organisation</a>                                                                                   |
| APIs used           | PUT /physical-links/<physical-link-id>/approve<br>PUT /physical-links/<physical-link-id>/reject<br>PUT or PATCH /physical-links/<physical-link-id>                                                                                                                                       |
| Scope               | This process only handles the validation of an already created update vertical cabling request<br><br>The process of creating the entry is handled in a dedicated process.                                                                                                               |
| Roles               | System, Approver / Global Approver                                                                                                                                                                                                                                                       |
| Input               | - id of the physical link update to validate<br>- optionally the information to amend: <ul style="list-style-type: none"><li>- source equipment (mandatory)</li><li>- destination equipment or unit (mandatory)</li><li>- cable type (mandatory)</li><li>- additional metadata</li></ul> |
| 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 new update request) | - notification to the Global and organisation Approvers |                                                                                                  |
| 2    | The Approver verifies if the entry is valid and up to the expected quality standards                                           | Approver | - Update physical link request                            | - yes / no                                              | <b>If the entry is valid:</b><br>- Go to step 4<br><b>Else:</b><br>- Go to secondary process S.1 |
| 3    | The Approver verifies if pictures linked to the entry contain any private data                                                 | Approver | - Update physical link request                            | - yes / no                                              | <b>If the entry is valid:</b><br>- Go to step 4<br><b>Else:</b><br>- Go to secondary process S.1 |
| 4    | The Approver approves the entry                                                                                                | Approver | - Update physical link request                            | - update physical link request approval                 |                                                                                                  |
| 5    | The System verifies if the equipments/unit for which a physical link approval is sent exist                                    | System   | - update physical link request to approve                 | - yes / no                                              | <b>If the equipments/unit exist:</b><br>- Go to step 6<br><b>Else:</b><br>- Go to error E.1      |

| Step | Description                                                                                      | Actor(s) | Input(s)                                  | Output(s)                 | Decision points                                                                                        |
|------|--------------------------------------------------------------------------------------------------|----------|-------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------|
| 6    | The System verifies that the two equipments/unit are geographically close enough to be connected | System   | - update physical link request to approve | - yes / no                | <b>If the equipments/unit are close enough:</b><br>- Go to step 7<br><b>Else:</b><br>- Go to error E.2 |
| 7    | The System marks the update as approved and adds the approval date as well as the approver       | System   | - update physical link request to approve | - Approved update request |                                                                                                        |
| 8    | The Approver gets notified that the approval was successfully done                               | Approver | - update request approval confirmation    | -                         |                                                                                                        |

## Secondary Processes

### S.1. Submitted update physical link request needs adaptations

| Step | Description                                                                                       | Actor(s) | Input(s)                       | Output(s)                                | Decision points                                                                                                         |
|------|---------------------------------------------------------------------------------------------------|----------|--------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1    | The Approver verifies if the update physical link request is partially valid and can be corrected | Approver | - update physical link request | - yes / no                               | <b>If the request can be corrected by the approver:</b><br>Go to step 2<br><b>Else:</b><br>Go to secondary process S.2. |
| 2    | The Approver corrects the submitted update request                                                | Approver | - update physical link request | - corrected update physical link request | Go back to main process Step 4                                                                                          |

### S.1. Submitted update is rejected

| Step | Description | Actor(s) | Input(s) | Output(s) | Decision points |
|------|-------------|----------|----------|-----------|-----------------|
|------|-------------|----------|----------|-----------|-----------------|

|          |                                                                                                                   |          |                                                       |                                          |  |
|----------|-------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------|------------------------------------------|--|
| <b>1</b> | The Approver rejects the entry                                                                                    | Approver | - update physical link request                        | - update physical link request rejection |  |
| <b>2</b> | The System marks the request as rejected and adds the date as well as the approver to the rejected update request | System   | - update physical link request rejection              | - rejected update physical link request  |  |
| <b>3</b> | The Approver gets a confirmation that the update request has been rejected                                        | Approver | - update physical link request rejection confirmation |                                          |  |

## Error Processes

### E.1. Equipments / unit not found

| Step     | Description                                                                          | Actor(s) | Input(s) | Output(s)                                    | Decision points |
|----------|--------------------------------------------------------------------------------------|----------|----------|----------------------------------------------|-----------------|
| <b>1</b> | System returns an error indicating that one or both equipment(s) / unit do not exist | System   | -        | <b>Error: equipments / unit do not exist</b> |                 |

### E.2. Equipments / unit out of reach

| Step     | Description                                                                                                            | Actor(s) | Input(s) | Output(s)                                                  | Decision points |
|----------|------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------------------------------------------------|-----------------|
| <b>1</b> | System returns an error indicating that the two equipments / unit are not geographically close enough to be connected. | System   | -        | <b>Error: equipments / unit not in physical link range</b> |                 |

## Additional Information

### Exceptions

#### [400 Bad Request] Invalid input:

If mandatory fields are missing or fields are invalid, the system returns an error message. This includes the case in which one or both equipment(s) / unit do not exist.

## [409 Conflict] Equipments / unit out of reach

If the **Editor** attempts to add physical link between two equipments / unit that are geographically too far away to be connected, the system should return an error.

## [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.

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