

# 11. Merged Feeds

## 1. Purpose

`Merged Feeds` build one logical output from multiple source feeds.

Recommended model:

1. keep physical sources in `Feeds`,
2. expose combined output via merged feeds where needed.

## 2. Merged feed options

Each merged feed has:

1. `Name`
2. `Source Feeds` (`receiverIds`)
3. `Enabled`
4. `Visible in Radar Dropdown`
5. `ICAO Timeout (ms)`
6. `Ignore Aircraft with No Position`

## 3. Runtime logic

For each ICAO:

1. one source feed is selected as active owner,
2. duplicate frames from other sources are suppressed,
3. if active source is silent longer than `ICAO Timeout`, ownership may switch to another source.

## 4. ID namespace

Merged feed IDs use dedicated range starting from `10000`, reducing collision risk with regular feed IDs.

# 5. Workflow notes

1. Feed editor contains shortcut `Add to merged feed` for smart-profile ports.
  2. Final source assignment should be verified in `Merged Feeds` panel.
  3. Merged feeds can be selected as source in `Rebroadcast Servers`.
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