

15. AircraftDB Editor and Custom Photos

AircraftDB Editor and Custom Photos

1. AircraftDB Editor workflow

1. search supports ICAO, registration, owner, manufacturer, and type,
2. search returns up to 50 results,
3. selecting row loads full record by `AircraftID`,
4. create/update/delete operations refresh database lookup cache.

2. Duplicate ModeS behavior

1. `ModeS` is unique (`ICAO hex`),
2. creating/updating with existing `ModeS` returns conflict (`DUPLICATE_MODES`),
3. UI shows conflict warning and offers `Load existing aircraft`,
4. recommended path is to load existing record and update it instead of creating duplicate.

3. Custom aircraft photo upload

Requirements:

1. valid ICAO hex (`[0-9A-F]{6}`),
2. allowed formats: `PNG`, `JPG/JPEG`, `WEBP`, `BMP`,
3. max size: `8 MB`,
4. image signature is validated server-side.

Storage behavior:

1. stored path: `Images/AircraftPhotos/{ICAO0}.{ext}`,
2. uploading new custom photo removes previous custom variants for same ICAO.

4. Display priority logic

Aircraft detail photo source order:

1. custom local aircraft photo,
2. PlaneSpotters fallback.

Deleting custom photo restores PlaneSpotters fallback behavior.

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