

How to Import Guidance Lines into FieldBee using GeoJSON

This document explains how to properly format a **GeoJSON** file to import **Guidance Lines (AB Lines)** into the FieldBee application. Follow these specifications and examples to ensure your navigation lines import correctly.

1. General File Structure

Your GeoJSON file must be structured as a `FeatureCollection` containing one or more features of type `LineString`.

- Coordinate System: **WGS 84 (EPSG:4326)**.
- File Extension: `.geojson`

2. Geometry Specifications

Each line must be represented as a `LineString`:

- **Straight AB Lines:** Must contain **exactly 2 coordinate pairs** (Start Point A and End Point B).

JSON

```
"geometry": {  
  "type": "LineString",  
  "coordinates": [  
    [Longitude_A, Latitude_A],  
    [Longitude_B, Latitude_B]  
  ]  
}
```

3. Valid GeoJSON Example

JSON

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "LineString",
        "coordinates": [
          [-3.714038, 37.009733],
          [-3.713807, 37.007695]
        ]
      },
      "properties": {
        "fid": 1,
        "Name": "20260922_LONGITUDINAL"
      }
    }
  ]
}
```

Common Checklist & Errors to Avoid

Test Your File First: Use geojson.io to quickly test and inspect your GeoJSON file before importing it. Import your GeoJSON — if your guidance lines draw in the correct field location on the map without errors, your file is valid!

1. **Line Name Required:** Ensure the `"Name"` field is present and set to a text string. **Do NOT set** `"Name": null`, as FieldBee requires a valid string to identify the line in the app.
2. **Do Not Swap Coordinates:** Ensure Longitude comes first and Latitude second (`[Longitude, Latitude]`). If swapped, your guidance lines will appear in Antarctica or the wrong hemisphere.
3. **Use LineString Only:** Do NOT use `MultiLineString` or `Polygon`.

Revision #5

Created 23 September 2026 08:14:46 by Yevheniia Bohatyrova

Updated 23 September 2026 10:13:29 by Yevheniia Bohatyrova