

USER GUIDE

# AL Foundation App

FND

---

Setups and use of functions.



Setups and use of functions. AppLibra, for Microsoft Dynamics 365 Business Central.

---

## Contents

1. What AL Foundation App is
2. Setup
3. Units of measure by type
4. Item types
5. Item charge setup
6. Certifications
7. Sales and purchase entries
8. Structures and hierarchies
9. Fields added to the documents
10. What the two roles can do
11. Italian localization

---

## 1. What AL Foundation App is

AL Foundation App is the base the AppLibra apps are built on. It is installed together with them and has no daily work of its own: it holds what the apps share, so every app does the same thing in the same way. What it keeps:

- the sales and purchase entries, written when documents are posted;
- a stable identifier for documents and lines, which the apps use to link their own data;
- the setup of the item charges that the apps add to documents on their own;
- the unit of measure the company uses for weight, pieces, liters, area and cubage;
- the item types, a classification of the items that the apps use as a filter;
- structures and hierarchies of customers, items, salespeople and free groups.

Its pages carry the tag **(FND)**, so searching for FND in Business Central lists them all. In the AppLibra role center they are under **Foundation (FND)**.

---

## 2. Setup

Open **Setup (FND)**. The page creates the setup the first time it is opened. It is also in the Business Central manual setup list, where you look for the setup of any other app.

- **Skip Inventory Posting to G/L:** when you post item entries, the inventory value is not posted to the general ledger and the inventory posting setup is not checked. You post the value later with the standard Post Inventory Cost to G/L batch job.

- **Skip Comment Lines:** the comment lines of a document, the ones with an empty type, are left out of the sales and purchase entries. It is on by default.

The screenshot shows the 'Setup (FND)' page in Dynamics 365 Business Central. The page has a top navigation bar with the text 'Dynamics 365 Business Central' and 'Environment: bc28-w1'. Below the navigation bar, there is a header section with a back arrow, a pencil icon, a plus icon, and a trash icon. The main content area is titled 'Setup (FND)' and has a sub-section 'General'. Under 'General', there are two toggle switches: 'Skip Inventory Posting to G/L' (disabled) and 'Skip Comment Lines' (enabled). The page also has a bottom navigation bar with left and right arrows.

*The setup with its two options: skip the inventory posting to the general ledger and skip the comment lines*

The action **Update Header Map IDs** is maintenance: it realigns, on the lines of open and posted sales and purchase documents, the identifier of their header. Run it after an upgrade if the lines have lost the link to their header.

### 3. Units of measure by type

Several apps need to know which unit of measure is the company's unit for weight, or for pieces, without asking you every time. On the standard **Units of Measure** page two fields say it:

- **Type:** what the unit measures: weight, pieces, liters, area or cubage. Other apps can add types of their own.
- **Priority:** which unit wins when several units have the same type. The highest priority wins and, when the priority is the same, the first unit by code.

Dynamics 365 Business Central

Environment: bc28-w1

Units of Measure

✓ Saved

+ New Edit List Delete More options

| Code ↑ | Description  | International Standard Code | Type   | Priority |
|--------|--------------|-----------------------------|--------|----------|
| → BAG  | Bag          | BAG                         |        | 0        |
| BOX    | Box          | BX                          | Piece  | 5        |
| CAN    | Can          | CA                          |        | 0        |
| CM     | Centimeter   | CM                          |        | 0        |
| DAY    | Day          | DAY                         |        | 0        |
| GR     | Gram         | GRM                         |        | 0        |
| HOUR   | Hour         | HUR                         |        | 0        |
| KG     | Kilo         | KGM                         | Weight | 10       |
| KM     | Kilometer    | KMT                         |        | 0        |
| KWH    | KW Hour      | KWH                         |        | 0        |
| L      | Liter        | LTR                         | Liter  | 10       |
| LB     | Pound        |                             | Weight | 5        |
| M2     | Square meter |                             | Area   | 10       |
| M3     | Cubic metre  | M3                          | Cubage | 10       |
| MILES  | Miles        | 1A                          |        | 0        |
| ML     | Milliliter   | ML                          |        | 0        |
| PACK   | Pack         | PK                          |        | 0        |

*The units of measure with type and priority: KG and LB are both weight, and KG wins with the higher priority*

When you give a second unit a type that another unit already has, a message tells you which one. If no unit has the type weight, pieces or liters, the first time an app needs it the unit KG, PZ or LT is created, or classified if it already exists.

## 4. Item types

Open **Item Types (FND)**. An item type has a code, a description and:

- **Type:** the nature of the items, such as material, semifinished or end product. Other apps add values of their own, for example pallet, package or tax sticker.
- **Skip Price Check:** sales lines with items of this type can have no unit price. The apps that require a price on sales lines skip the check for these items.

| No. ↑    | Description        | Type         |
|----------|--------------------|--------------|
| FINISHED | Finished goods     | End Product  |
| RAW      | Raw materials      | Material     |
| SAMPLE   | Free samples       | End Product  |
| SEMI     | Semifinished goods | Semifinished |

*The item types, each with the nature of the items it stands for*

You assign the item type on the item card, in the field **Item Type No.**; the nature is copied to the item. The item type follows the item onto sales, purchase and transfer lines and into the entries, where the apps use it as a filter and as a condition: commissions, free gifts, packaging contributions, quality, recipes, Intrastat.

## 5. Item charge setup

Some apps add item charge lines to a document on their own: excise, tax stickers, free gifts, waste electrical equipment, processing charges. **Item Charge Setup (FND)** is where you say which item charge each of them uses. One row per charge type and code:

- **Item Charge Type:** the kind of charge. Each app brings its own types.
- **No.:** the code of the setup within its type.
- **Item Charge Code:** the item charge that is added to the document. Only item charges of the same type can be chosen: the type of an item charge is set on **Item Charges**.
- **Keep Gen. Prod. Posting Group** and **Keep VAT Prod. Posting Group:** the charge line keeps the posting groups of the line it refers to, instead of those of the item charge.

When you delete a document line, the charge lines that refer to it are deleted with it.

## 6. Certifications

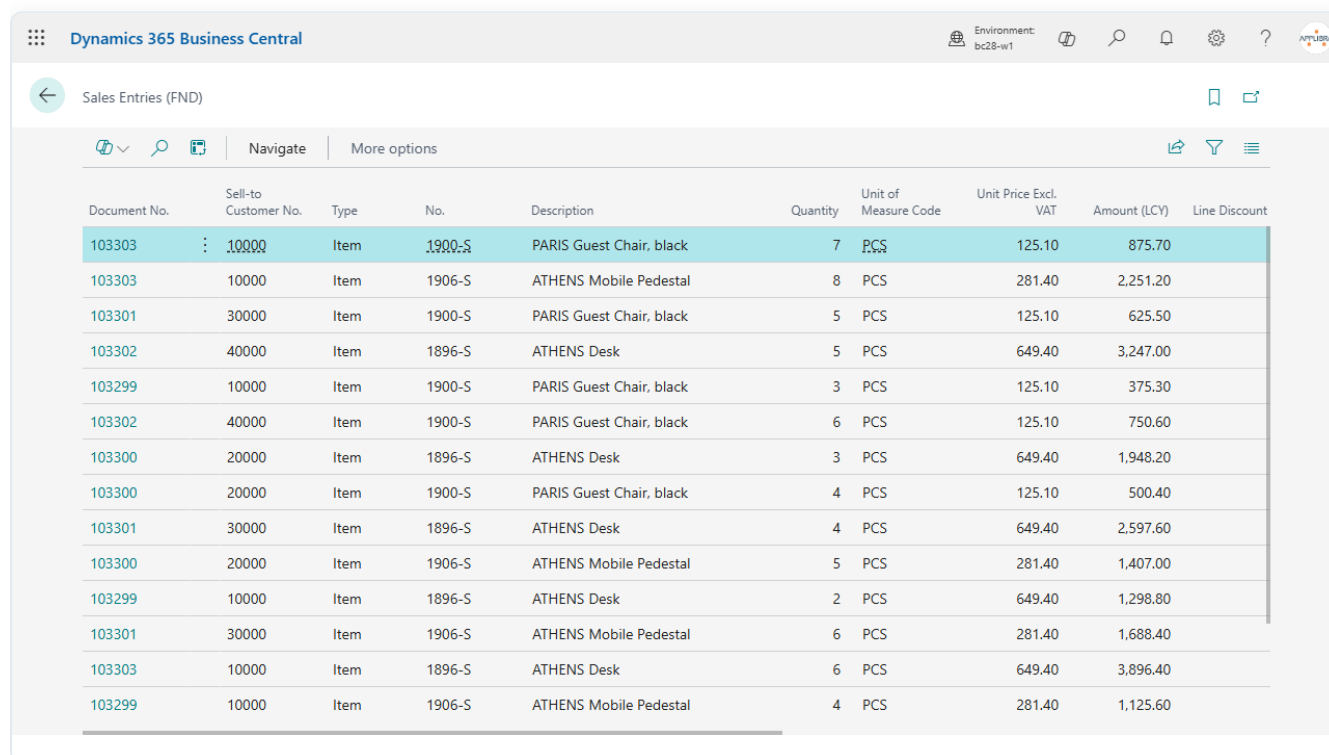
**Certifications (FND)** is a list of codes with a description. You enter the code in the field **Certification No.** on sales and purchase orders and invoices. The lines you add after that take it from the header; the lines

that are already there do not change. When you invoice shipments or receipts, the invoice lines take it from the shipped or received lines.

## 7. Sales and purchase entries

When a document is posted, the app writes one entry for each document line, with the fields of the header next to it: customer or vendor, salesperson, dates, payment terms. The apps read these entries for commissions, bonuses, statistics and business intelligence; you can read them too.

- **Sales Entries (FND):** posted sales invoices and credit memos. Amounts are in local currency, with the amounts in the currency of the document next to them.
- **Purchase Entries (FND):** posted purchase invoices and credit memos, with year, month, week and weekday of the document date.
- **Sales Shipment Entries (FND):** posted shipments and return receipts, and invoices and credit memos too. The document type tells them apart.
- **Purchase Receipt Entries (FND):** posted receipts and return shipments, and invoices and credit memos too.



| Document No. | Sell-to Customer No. | Type | No.    | Description              | Quantity | Unit of Measure Code | Unit Price Excl. VAT | Amount (LCY) | Line Discount |
|--------------|----------------------|------|--------|--------------------------|----------|----------------------|----------------------|--------------|---------------|
| 103303       | 10000                | Item | 1900-S | PARIS Guest Chair, black | 7        | PCS                  | 125.10               | 875.70       |               |
| 103303       | 10000                | Item | 1906-S | ATHENS Mobile Pedestal   | 8        | PCS                  | 281.40               | 2,251.20     |               |
| 103301       | 30000                | Item | 1900-S | PARIS Guest Chair, black | 5        | PCS                  | 125.10               | 625.50       |               |
| 103302       | 40000                | Item | 1896-S | ATHENS Desk              | 5        | PCS                  | 649.40               | 3,247.00     |               |
| 103299       | 10000                | Item | 1900-S | PARIS Guest Chair, black | 3        | PCS                  | 125.10               | 375.30       |               |
| 103302       | 40000                | Item | 1900-S | PARIS Guest Chair, black | 6        | PCS                  | 125.10               | 750.60       |               |
| 103300       | 20000                | Item | 1896-S | ATHENS Desk              | 3        | PCS                  | 649.40               | 1,948.20     |               |
| 103300       | 20000                | Item | 1900-S | PARIS Guest Chair, black | 4        | PCS                  | 125.10               | 500.40       |               |
| 103301       | 30000                | Item | 1896-S | ATHENS Desk              | 4        | PCS                  | 649.40               | 2,597.60     |               |
| 103300       | 20000                | Item | 1906-S | ATHENS Mobile Pedestal   | 5        | PCS                  | 281.40               | 1,407.00     |               |
| 103299       | 10000                | Item | 1896-S | ATHENS Desk              | 2        | PCS                  | 649.40               | 1,298.80     |               |
| 103301       | 30000                | Item | 1906-S | ATHENS Mobile Pedestal   | 6        | PCS                  | 281.40               | 1,688.40     |               |
| 103303       | 10000                | Item | 1896-S | ATHENS Desk              | 6        | PCS                  | 649.40               | 3,896.40     |               |
| 103299       | 10000                | Item | 1906-S | ATHENS Mobile Pedestal   | 4        | PCS                  | 281.40               | 1,125.60     |               |

*The sales entries: one row per posted sales line, with the customer of the header next to item, quantity and amounts*

Undoing a shipment or a return receipt writes the reversing line in the entries. From every list, **Show Document** opens the posted document the line comes from.

**Record Map ID (FND)** lists the identifiers given to documents and lines. It is there for checking: the apps use the identifier to link their data to a document, so the link holds whatever the document number becomes.

**Recalculate Entries (FND)** rebuilds the entries of a period from the posted documents. Enter the posting dates and choose which entries to rebuild. An entry that exists is replaced and keeps its identifier; one that is missing is created. Use it after a data migration, or when the entries of a period do not match the posted documents.

## 8. Structures and hierarchies

A structure is a node: a free group, or a record such as a customer, a vendor, an item, a salesperson, a customer price group, a customer discount group or a campaign. Hierarchies put structures one under the other, and the apps use them to decide what applies to whom: the agents under a super agent, the customers of a bonus agreement, the price groups of a price list.

- **Hierarchy Templates (FND):** a template says what its hierarchies are for, and which pages show and set them up. The apps create their own templates.
- **Structure Batches (FND),** from the action Batches of a template: a batch is one hierarchy. Its status is Open, Certified or Closed. Lines and attributes can be changed only while the batch is open.
- **Structure List (FND):** the structures, with the record each one stands for. When you fill in the source number, name and description come from that record.

The screenshot displays the 'Structure List (FND)' interface in Dynamics 365 Business Central. The table below represents the data shown in the main view:

| Type        | Name         | Description        | Source Type | Source No. |
|-------------|--------------|--------------------|-------------|------------|
| Salesperson | BC           | Benjamin Chiu      | Salesperson | BC         |
| Salesperson | COM-AG1      | Anna Rossi         | Salesperson | COM-AG1    |
| Salesperson | COM-AG2      | Bruno Conti        | Salesperson | COM-AG2    |
| Salesperson | COM-SA1      | Carla Marino       | Salesperson | COM-SA1    |
| Salesperson | EH           | Ester Henderson    | Salesperson | EH         |
| Salesperson | HR           | Helena Ray         | Salesperson | HR         |
| Salesperson | JO           | Jim Olive          | Salesperson | JO         |
| Salesperson | LT           | Lina Townsend      | Salesperson | LT         |
| Salesperson | OF           | Otis Falls         | Salesperson | OF         |
| Salesperson | RB           | Robin Bettencourt  | Salesperson | RB         |
| Customer    | 10000        | Adatum Corporation | Customer    | 10000      |
| Customer    | 20000        | Trey Research      | Customer    | 20000      |
| Customer    | 30000        | School of Fine Art | Customer    | 30000      |
| Customer    | 40000        | Alpine Ski House   | Customer    | 40000      |
| Customer    | KEY-ACCOUNTS | Key accounts       | Group       |            |
| Customer    | RETAIL       | Retail chains      | Group       |            |

*The structure list with salespeople, customers and two free groups*

The hierarchy itself is edited in the page of the app that uses it, for example the salesperson hierarchy of AL Commissions. The rules are the same everywhere: a structure appears once in a batch, a parent must be in the batch before its children, a line with children cannot be deleted, and a line can have a starting and an ending date.

## 9. Fields added to the documents

AL Foundation App also holds a few fields that other apps read:

- **Payment Bank Account No.:** the company bank account for the payment. On the customer card it is the usual one, and new sales documents take it from there; from the document it goes to the customer ledger entry and to the sales entries.
- **Certification No.:** see section 6.
- **Ticket Type, Number, Date, Fiscal Reference** on sales invoices and credit memos: obsolete from version 28. They held the fiscal receipt already issued for the sale. Receipts do not belong to the foundation of the apps: the fields are hidden, no app uses them any more and a later version will remove them.
- **Transportation By** and **Shipment Time** on sales and transfer orders: who takes care of the transport, and the time of day when the goods are shipped.

## 10. What the two roles can do

AL Foundation App ships two assignable permission sets.

- **AL Foundation App - User** (ALPFND-USER) is what every user of an Applibra app needs. The entries and the identifiers are written by the app while documents are edited and posted, so whoever posts must be able to write them. The setup, the item types, the item charge setup and the certifications are readable, not editable.
- **AL Foundation App - Administrator** (ALPFND-ADMIN) includes the user role and adds the setup tables and full control over the entries.

Whoever gets the permission set of an Applibra app needs the user role too. Assign it together with the set of the app, unless the guide of that app says that its set already includes it.

### Upgrading from an earlier version

Up to version 25 the permissions of the app were in a single set, **AL Foundation App**. The upgrade removes that set and replaces it with **AL Foundation App - Administrator**, which grants the same permissions. The move is automatic: whoever had the old set assigned gets the new one, and if the old set was included in a permission set of your own, your set now includes the new one instead.

There is one case the upgrade cannot cover: if you listed the old set in the License Configuration, among the permissions Business Central gives to new users, that configuration has to be redone by hand with the new set. Business Central does not let an app change it. Existing users are not affected.

## 11. Italian localization

AL Foundation App IT is the Italian localization of the app: a separate offer for the Italian market, which installs AL Foundation App with it. It has no pages of its own.

- **Italian fields in the sales shipment entries.** Project code and tender code of the electronic invoice, customer purchase order number, activity code, operation type, operation occurred date, bank account, payment discount and due date are copied from the posted document into Sales Shipment Entries (FND).

Up to version 25 the localization also showed the fiscal receipt fields on the sales invoice and wrote the receipt in the electronic invoice. From version 28 it no longer does: the fields are obsolete (section 9). If you used them, contact AppLibra.

Its permission set, **AL Foundation App IT - User** (ALPFNDIT-USER), includes the user role of AL Foundation App. Up to version 25 the permissions were in the set **AL Foundation App IT**: the upgrade moves assignments and inclusions to the new set, as described in section 10.