SFD

Boat Configuration Editor

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BENETEAU Group

Functional specifications

Document Revision History

Version	Date	Author	Description of Changes
0.1	12/08/2025	Marc TOQUARD	
0.2	25/09/2025	Marc TOQUARD	CO link with type = "BAT"

1. Objective of the Project

Provide users with a simple application that allows, from a Shop Order number, to:

1. Identify the corresponding Serial Number and Dop Header in IFS ERP.
2. Verify and confirm that the serial number is correct.
3. Choose an available printer and language.
4. Launch the printing of the business document MA_FO_CR_1419 associated with the corresponding Customer Order related with serial number.

Link to business requirements :
https://beneteaugroup.sharepoint.com/:p:/s/STARBOARD/Ef1_1PTiQeNNmhGRhJAh728B hODF3KDuwOs2VTFs6TdV4g?e=ROu0kn

Link to business specifications:
https://beneteaugroup.sharepoint.com/:p:/s/STARBOARD/EYmWDRzERztBoM5q1QjH5Rs BgL0rxH18rgZ3gGQqMo3aTA?e=QhXkBG

2. Scope

The application will be interfaced with the IFS ERP exclusively via API calls. All IFS API will be exposed by Azure API management (APIM)
Use is strictly reserved for BENETAU users : GAP Leaders, Supervisors, and Quality Controllers.
The user enters the three keys of a Shop Order : Order No, Release No, Sequence No.

3. Business Process with Interfaces

Step 1 – Enter the three keys of the Shop Order :
Order No, Release No, Sequence No (mandatory).

Step 2 – Retrieve the Serial Number and Dop Header ID from ERP via API and display it.

Step 3 – Ask the user to confirm the displayed Serial Number.

Step 4 – Retrieve the list of available printers and languages from ERP via API.

Step 5 – User selects a printer and language and confirms to print document MA_FO_CR_1419.

4. Business Rules

- The three keys must identify a unique Shop Order.
- Serial Number confirmation is mandatory.
- Printer and language selection is mandatory.
- The printed document is always MA_FO_CR_1419.

- User interface will be in English.
- Access limited to GAP Leaders, Supervisors, and Quality Controllers (must be administrate from https://dataprivilege.domain.group/DP)

- User group administrated only by BENETEAU (IT project manager + Key user).
- All interactions with ERP are done via API exposed in Azure APIM.

- Developer must use existing Azure API exposition if possible.

- This application must be deployed on 3 environments (DEV, PPD and PRD)

5. Acceptance Criteria
- Authorized users can search and retrieve a Serial Number and Dop Header via API.
- The complete workflow (entry → confirmation → printer selection → print) works as intended.
- Unauthorized profiles and users are blocked.
- Clear error and confirmation messages are displayed.

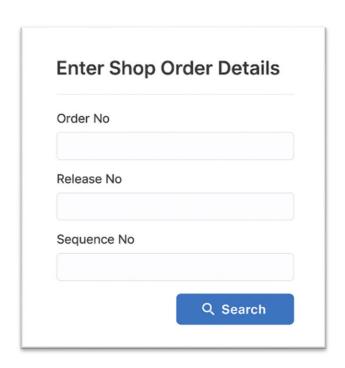## 6. Interface components

Screen 1 – Shop Order Entry

```
+---------------------------------------------------+
| Enter Shop Order Details                          |
|                                                   |
| Order No:    [_____]                        |
| Release No: [_____]                         |
| Sequence No:[_____]                         |
|                                                   |
| [ Search ]                                        |
+---------------------------------------------------+
```

Form with three mandatory fields:

- orderNo (string, max 20 caractères)
- releaseNo (string, max 10 caractères)
- sequenceNo (string, max 10 caractères)

- Bouton Search → Call API

Enter Shop Order Details

Order No

Release No

Sequence No

[Q Search]

```
+----------------------------------------------------+
| Serial Number found: LG5XA0003                     |
|                                                    |
| Dop Header ID found: 37                            |
|                                                    |
| Is this correct?                                   |
| [ Yes ]    [ No ]                                  |
+----------------------------------------------------+
```
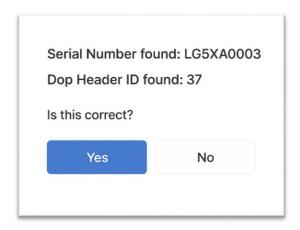
Display API call back data :
- serialNumber
- dopHeaderId

Message : **"Is this correct?"**

Boutons :
- **Yes** → Switch to Screen 3.
- **No** → Return to previous screen (Screen 1).

Serial Number found: LG5XA0003

Dop Header ID found: 37

Is this correct?

Yes   No

```
+----------------------------------------------------+
| Select Printer                                     |
|                                                    |
| [▼] Office Printer :                               |
|     Printer PRTBX 060                              |
| [▼] Office language :                              |
|     French                                         |
|                                                    |
| [ Print Document MA_FO_CR_1419 ]                   |
+----------------------------------------------------+
```

Call API to :
- GET /printers → List of printers availables.
- GET /languages → List of languages.

Dropdown to select (LOV) :
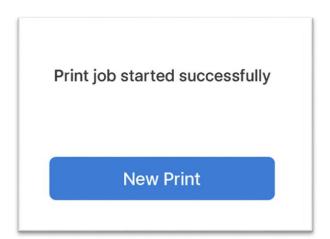- **Printer** (mandatory & searchable)
- **Language** (mandatory)

Button **Print Document MA_FO_CR_1419** :
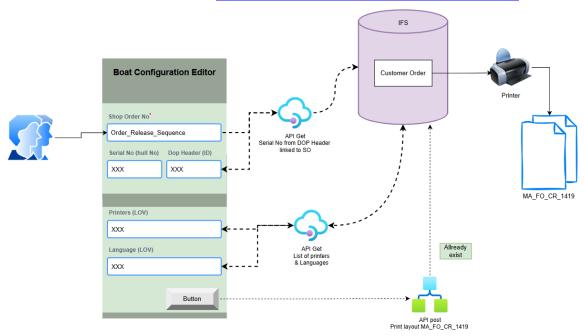- Call API : POST /print

Select Printer

Office Printer:

Printer PRTBX 060 ⌄

Office language:

French ⌄

Print Document MA_FO_CR_1419

```
+----------------------------------------------------+
| Print job started successfully                     |
|                                                    |
| [ New Print ]                                      |
+----------------------------------------------------+
```

Display : "Print job started successfully"
Button New Print → Return to Screen 1.

Print job started successfully

New Print

7. Functional architecture : BoatConfigEditor - Architecture.drawio

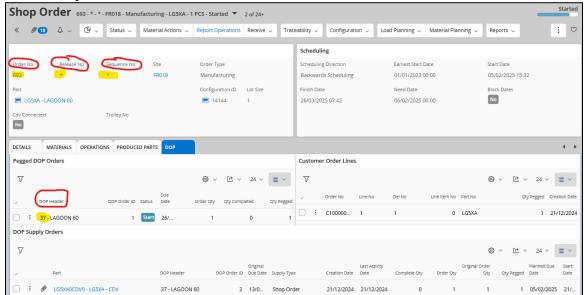DEV : IFS AST (https://beneteau-group-ast.ifs.cloud/landing-page/)

PPD : IFS ACC (https://beneteau-group-acc.ifs.cloud/landing-page/)

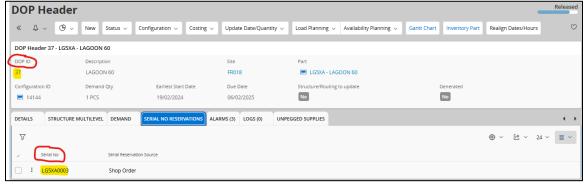PRD environment : https://beneteau-group.ifs.cloud/landing-page/
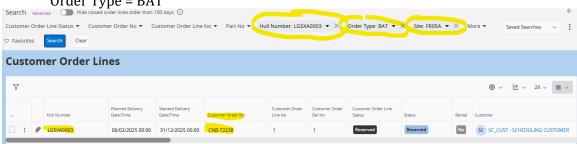
8. Functional components in IFS

a. Shop order and link with DOP Header

b. Dop Header and link with Serial number

c. Get Customer Order line with Hull Number = Serial No Reservation / Site = FR05A / Order Type = BAT
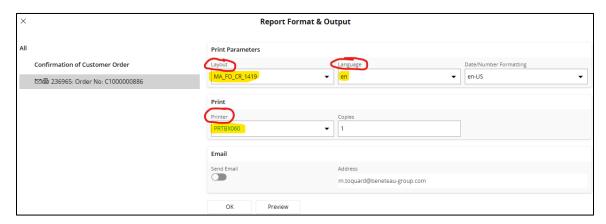

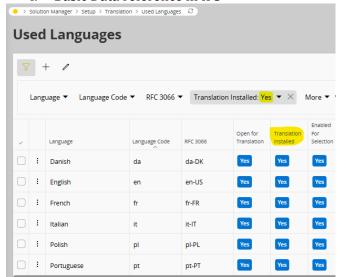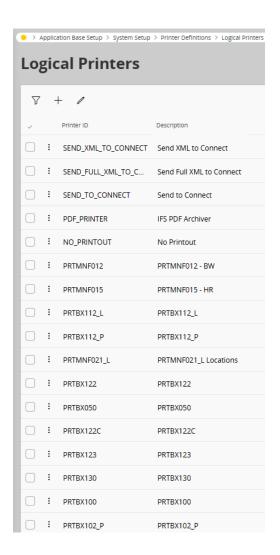d. Get Customer order linked to customer order Line

e. Print MA_FO_CR_1419 :

Details of reports settings :

f. Basic Data reference in IFS

Logical Printers

		Printer ID	Description
☐	⋮	SEND_XML_TO_CONNECT	Send XML to Connect
☐	⋮	SEND_FULL_XML_TO_C...	Send Full XML to Connect
☐	⋮	SEND_TO_CONNECT	Send to Connect
☐	⋮	PDF_PRINTER	IFS PDF Archiver
☐	⋮	NO_PRINTOUT	No Printout
☐	⋮	PRTMNF012	PRTMNF012 - BW
☐	⋮	PRTMNF015	PRTMNF015 - HR
☐	⋮	PRTBX112_L	PRTBX112_L
☐	⋮	PRTBX112_P	PRTBX112_P
☐	⋮	PRTMNF021_L	PRTMNF021_L Locations
☐	⋮	PRTBX122	PRTBX122
☐	⋮	PRTBX050	PRTBX050
☐	⋮	PRTBX122C	PRTBX122C
☐	⋮	PRTBX123	PRTBX123
☐	⋮	PRTBX130	PRTBX130
☐	⋮	PRTBX100	PRTBX100
☐	⋮	PRTBX102_P	PRTBX102_P

9. Technical specifications

{ResultKey: "322132", LayoutName: " MA_FO_CR_1419.rdl", LanguageCode: "en",...}

1. Copies: "1"
2. Email: ""
3. LanguageCode: "en"
4. LayoutName: " MA_FO_CR_1419.rdl"
5. LogicalPrinter: "PRTBX040C"
6. NumberFormatting: "en-US"
7. Pages: null
8. ResultKey: "322132"