

Delivering drawings to BORIS

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Overview

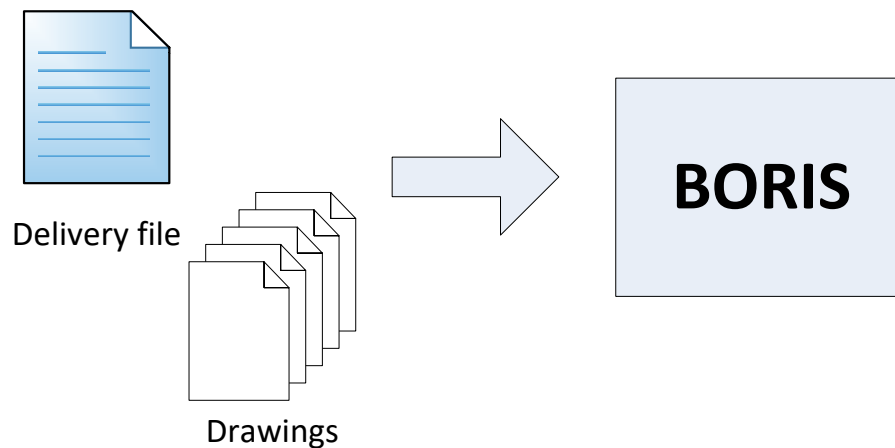
This document is an introduction for new suppliers of drawings to BORIS. It is a brief description of what is to be delivered and how it is done.

BORIS is a system that stores and provides access to drawings and other documents relating to defence equipment. Users of the system are within the Swedish Armed Forces (FM), the Swedish Defence Materiel Administration (FMV) and the arms industry.

Suppliers of equipment for FMV and FM must provide drawings to BORIS. These drawings are then mainly used for repairs and maintenance of the equipment.

What to deliver

Deliveries to BORIS are made with packages containing image files with drawings and delivery files with data about the drawings. Each package normally includes one image file per drawing and a single delivery file with information about all the drawings in the package.



The content and format of the delivery file are described in detail in the document “Instruction for delivery to BORIS” which can be found on “FMV Logistikportal” (see below). For those who cannot or do not want to create delivery files, there is the option of creating Excel files which are then either sent directly to FMV or converted to delivery files with the ERIT tool.

The image files may consist of several pages but an image file can only contain a single drawing. The format of the image files must be PDF/A. Optionally the image files can be supplemented with additional files in other formats, e.g. AutoCAD for drawings and Excel for schematics.

Delivery methods

Packages of drawings and text files can be delivered to FMV in several different ways. Apart from e-mail, the packages can also be delivered by regular mail using CDs or encrypted USB sticks. Another alternative is using SFTP (Secure File Transfer Protocol) after contacting FMV.

Persons to contact and delivery addresses can be found on “FMV Logistikportal” (see below).

Data about drawings

All drawings must have a header containing a drawing number and additional data.

Antal/variant	Det nr	Benämning	Beteckning Dimension	Material	sluttilstånd	Anm.				
		Där ej annat angetts Tolerans arb mätt	Ytbeh. Washprimer 7064 Grundfärg 7055	Smets ritn	0AAB-11115	Kopia nr				
		SMS 715 MEDEL	Täckfärg 7211/325H							
		Konstr.	Ritad	Höjst kontr	Fästet	Gransk	Godk.	Era ritn	Sök reg	Blad av
		910711	91104							1 1
Skala	1:1	Sjunkbombställ, HKP 6			Ritn.-nr					
OSTERMANNS AERO		Wirefäste			0AAB-33254					

The delivery file contains several details about the drawings. Some of them are mandatory and used to identify the drawings:

- FB-code (Company Letter Code) which is FMV's name for the supplier of drawings.
- Drawing number which is the supplier's designation.
- Sheet number.
- Document type is a code indicating the type of drawing, e.g. SMST for an assembly drawing and RITN for a regular drawing. The "Instruction for delivery to BORIS" contains a list of the most common codes.
- Version of drawing. It may be left empty for the first version of the drawing.

Furthermore, the designation and additionally information are to be specified for the drawings. In the document "Instruction for delivery to BORIS" there is a complete description of all the details in the delivery file, including which details that are mandatory.

Affiliation to equipment

Each sheet/version of a drawing in the delivery file must be affiliated to one or several equipment. An equipment is defined by an M- or F-number that FMV has assigned to the article.

If the equipment to which the drawing relates is not defined as an equipment by FMV, the closest overlying equipment in FMV's structure of equipment should be used instead.

Utility programs

ERIT

This is a Windows tool that creates delivery files from registered data in Excel sheets, but also moves data from delivery files from BORIS to Excel sheets. The tool also creates empty Excel templates for entering data.

When delivery files are created from Excel sheets, checks are made to ensure that the information in the sheets is entered correctly.



An installation file for the tool can be downloaded from “FMV Logistikportal” (see below). An instruction manual for ERIT, containing a short description of the tool and the contents of the Excel sheet, can also be downloaded.

Delivery file Excel

The easiest way to register information for delivery files is to use the Excel template “Leveransfil_xxx.xls” (Delivery file).

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Leveransfil med ritningsdata för xxxxx												
2	Dokumentets unika ID i BORIS												
3	Fbkod	Ritningsnummer	Bladnr	Doktyp	Version	Datum	Antal blad	Format	Benämning	Överliggande ritning	FBET	Tillhörighet	Filnamn
4													
5													

The Excel file can be downloaded from “FMV Logistikportal” (see below). An instruction manual on how to enter data to the template is also available.

More information

FMV has compiled information about their logistics services in a web portal which has the URL <https://logistikportalen.fmv.se>.



On the page about BORIS there is information about the system as well as the download links for documents and utility programs. In addition to general information about BORIS, you'll also find, contact detail and addresses for deliveries s to FMV.

The URL to the page about BORIS is

<https://logistikportalen.fmv.se/tjansterprodukter/materielritningar>