Data backup
NC, PLC drives

Description: This document describes the procedure for backing up NC data. PLC and drives.

Description: The data of the NC, PLC, and drives are stored on the NCU or CF card. It is therefore necessary to back up the data periodically. The NC and PLC data are stored in the NCU's S-RAM, while the drive data are on the CF card and copied to the drives during each start-up.

Procedure: **NC data backup:**

(Stop the PLC by turning S4 on the NCU to position 2.)

Change to the section:

For machines with TCU Switch to [Setup] [System data] [>] [Setup archive]
select ◉ create commissioning archive [OK]

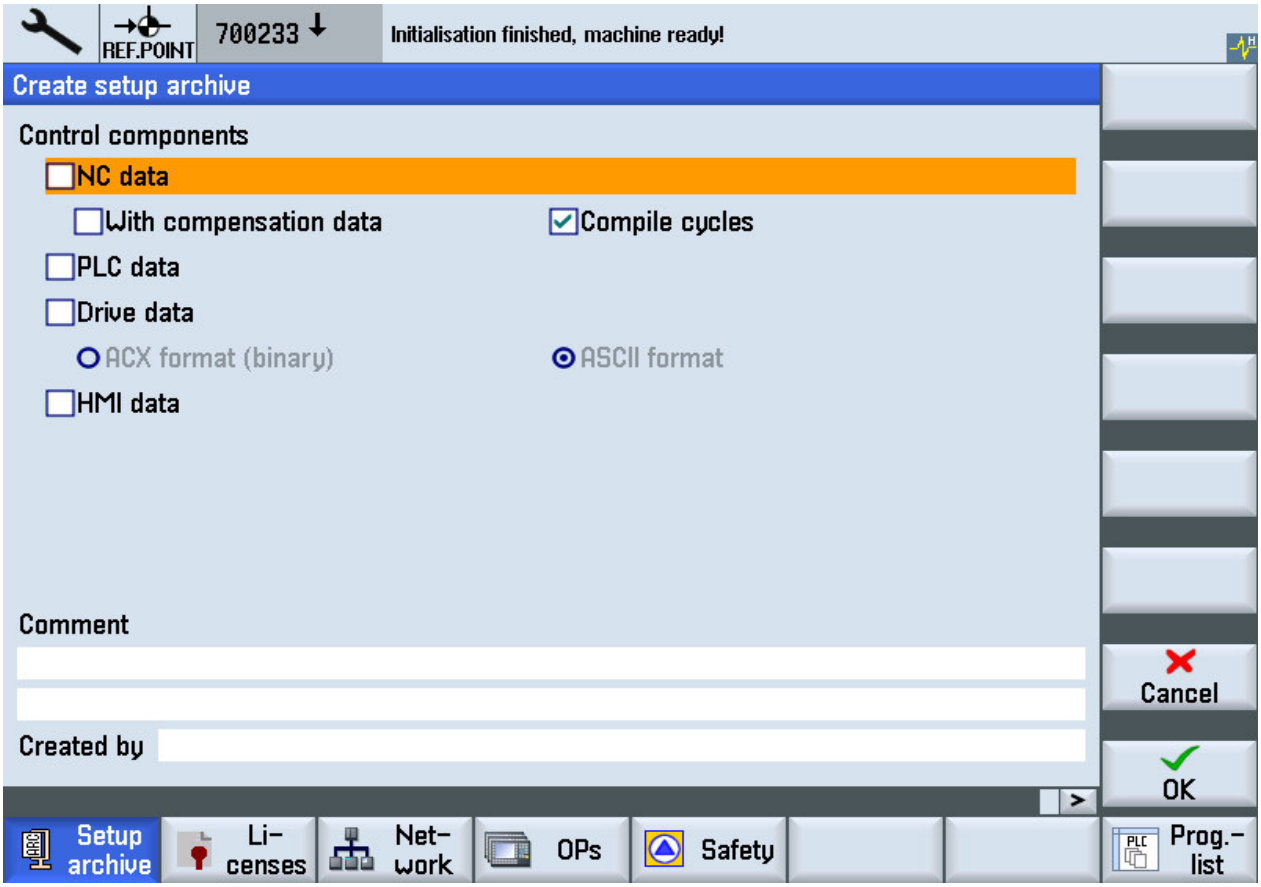
For machines with PCU Switch to [Services] [>] Serial start up]

Then select what is to be backed up and where to back it up.

Select the NC data including compensation data, type a name as per the suggestion below, and press the Input key.

Suggested name: yymmttN 140823N

Press the [Archive] softkey. Production commissioning is created.



PLC data backup:

Follow the same steps as for NC data backup. However, select the PLC program here.

Suggested name: yymmttP 140823P

Drive units:

Follow the same steps as for NC and PLC data backup. Select Drives, preferably select ACX format, assign a name, and generate the archive. The data are on the CF card and can also be backed up individually, if required.

Suggested name: yymmttD 140823D (D = Drives Profibus)

When is production commissioning required?

Production commissioning should actually be performed weekly to ensure that the data are always up to date. However, a backup should be created at least before and after any maintenance activities. This includes, for example, the replacement of motors, power parts, measuring systems. But also when versions are upgraded, it is useful to have a working version.

Loading a production commissioning version:

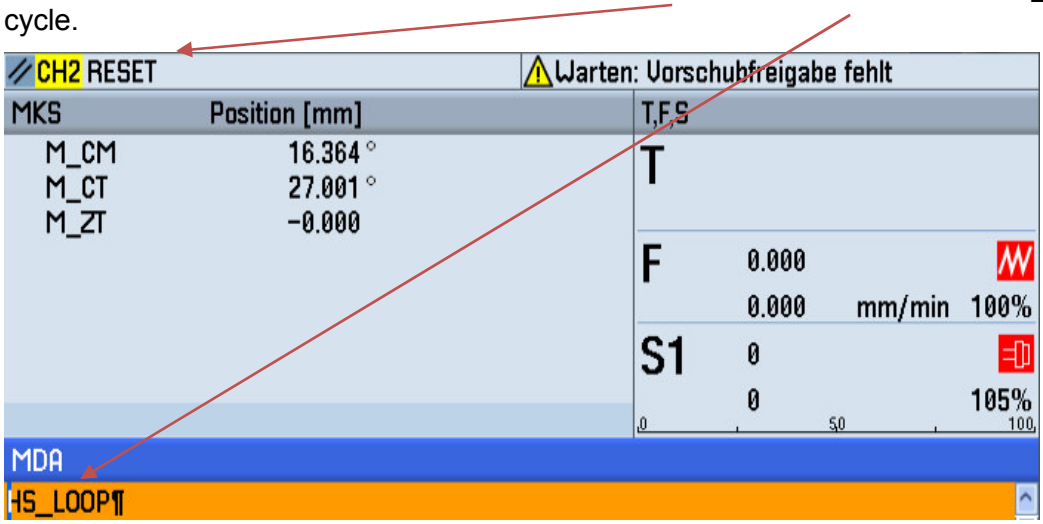
The load order for an empty NCU should be as follows:

NC, then PLC!

It is also useful to save the tool data before loading an NC production commissioning version. [Inbetriebnahme] [Systemdaten] [NC-Daten] [NC-Aktive-Daten] [Werkzeug-/Magazindaten] →complete tool/magazine data. This results in a file named TO.INI

Final activities:

For a ModuleLine machine, MDA must be entered in the 2nd channel of the HS_LOOP cycle.



Always sanity check the axis positions!

Caution: Differences in the screens and paths are possible on machines with an older version or with PCU!