



Using an external sensor

In Pathfinder Office

Create a Data Directory, where the attribute is included e.g.:

Data Directory "COWI"
Feature "jord"
Attribute "AAA"

Export the new data directory to the datalogger

Connect the external sensor to the upper port on the datalogger (using the Trimble-cabel 32287-00)

In Asset surveyor

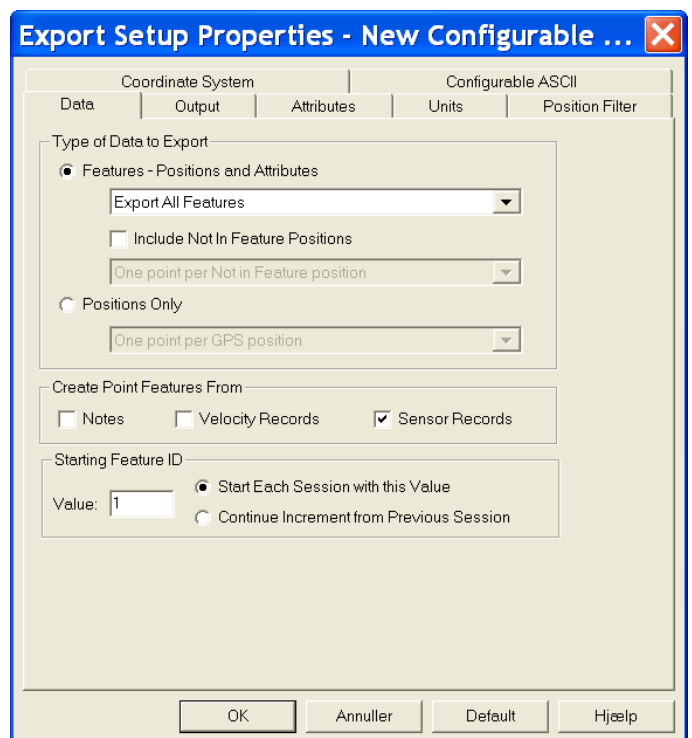
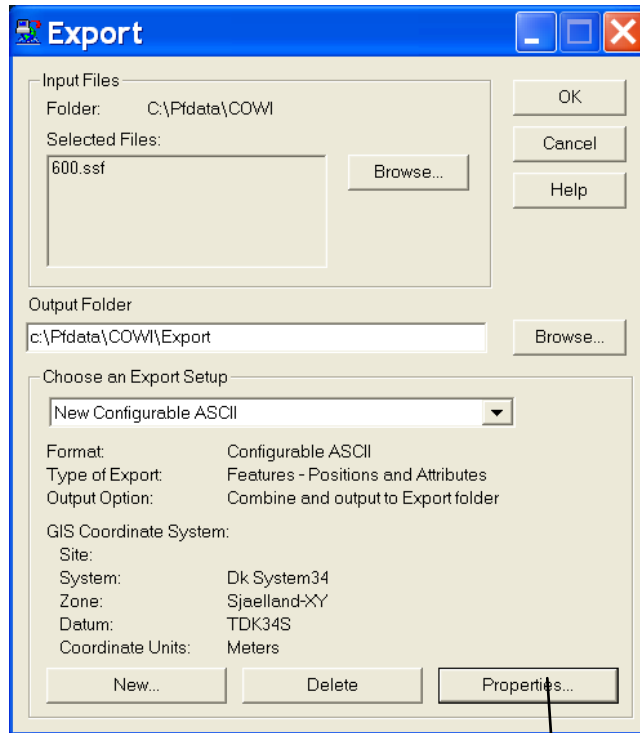
Configuration

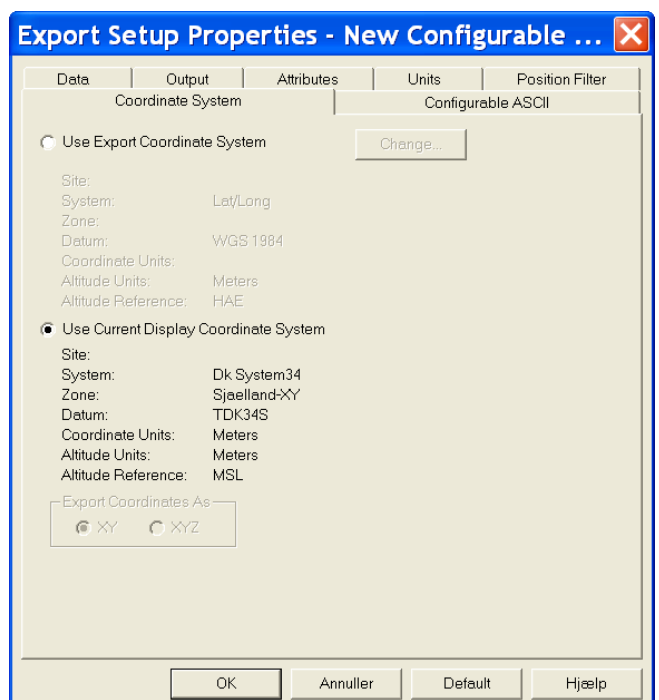
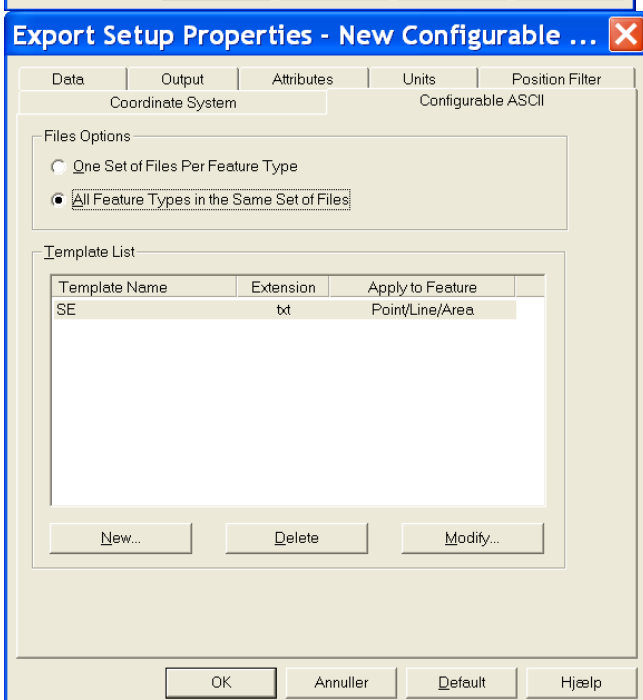
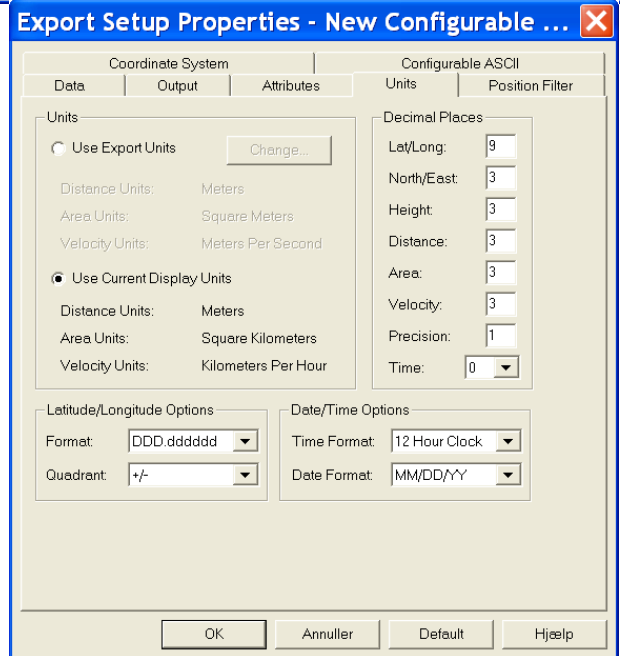
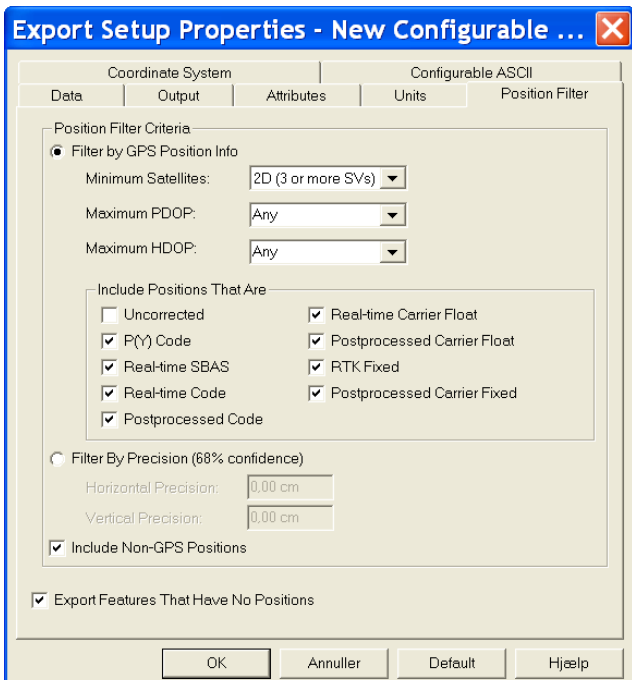
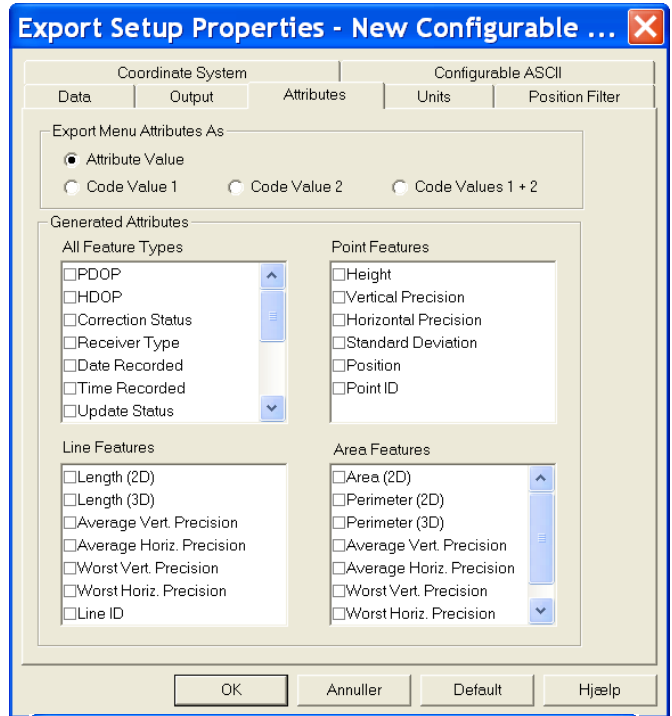
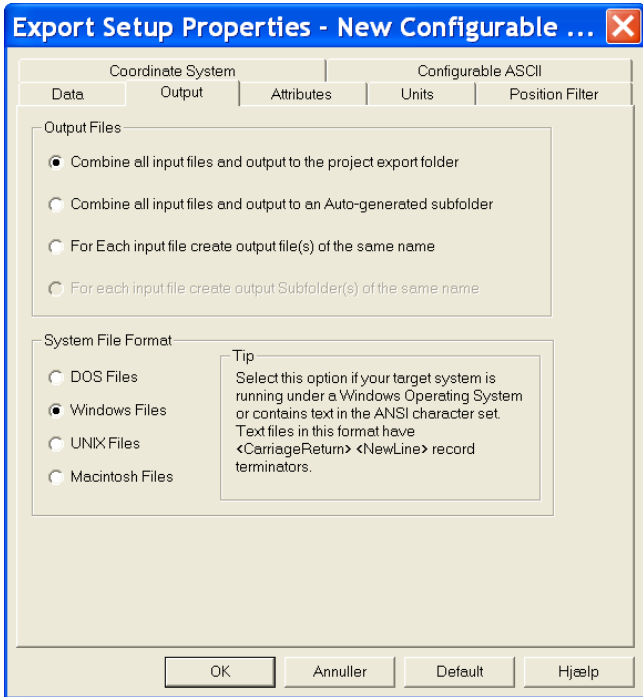
External sensors
(choose sensor)
(choose setup)

Using an em31-unit as external sensor (COWI)

Auto Connect	YES
Name	em31
Channel	0
Connect	?
Disconnect	?
Data Request	?
Intervals	
Point feature	ALL
Line/Area	None
Not in feature	None
Feature	AAA (the name is made-up – assigned in Data Directory)
Data received	
Prefix	-
Suffix	\ODT
Max byte	?
Time Out	0,500 s
Audible click	No
Status line	YES

Export in PFO





This will give an .inf file like this:

Setup Used: New Configurable ASCII
Export Format: Configurable ASCII
Data Type: Features
Feature Selection: Export All Features
Not In Feature Positions: Not Used
Export Notes: No
Export Velocity Records: No
Export Sensor Records: Yes
File Option: All Features in the Same File Set
Templates: SE
File Structure: Windows
Export Menu Attribute As: Attribute Value
Generated Attributes: None
Position Filter Details:
Filter By: GPS Criteria
Maximum PDOP: Any
Maximum HDOP: Any
Min Number Of SVs: 2D (3 or more SVs)
Uncorrected: No
P(Y) Code: Yes
Real-time SBAS: Yes
Real-time Code: Yes
Postprocessed Code: Yes
Real-time Carrier Float: Yes
Postprocessed Carrier Float: Yes
RTK Fixed: Yes
Postprocessed Carrier Fixed: Yes
Non-GPS: Yes
Coordinate System: Dk System34
Coordinate Zone: Sjaelland-XY
Datum: TDK34S
Coordinate Units: Meters
Altitude Units: Meters
Altitude Reference: MSL
Geoid Model: DVR90_2002 (Denmark)
Include Altitude: No
Distance Units: Meters
Area Units: Square Kilometers
Velocity Units: Kilometers Per Hour
Precision Units: Centimeters
North/East DP: 3
Altitude DP: 3
Distance DP: 3
Area DP: 3

Data Dictionary

jord - Point Feature
AAA - String, Length = 30
Point_generic - Point Feature
Comment - String, Length = 32

Line_generic - Line Feature
 Comment - String, Length = 32
Area_generic - Area Feature
 Comment - String, Length = 32
Sensor - Point Feature
 Text - String, Length = 80
 Channel - Numeric, DP = 0, Min = 0, Max = 0, Default = 0

And an export file could look like this:

"jord";145611.488;-84351.126;32.968;"0032+8188"
"jord";145611.430;-84351.142;33.169;"0032+8188"