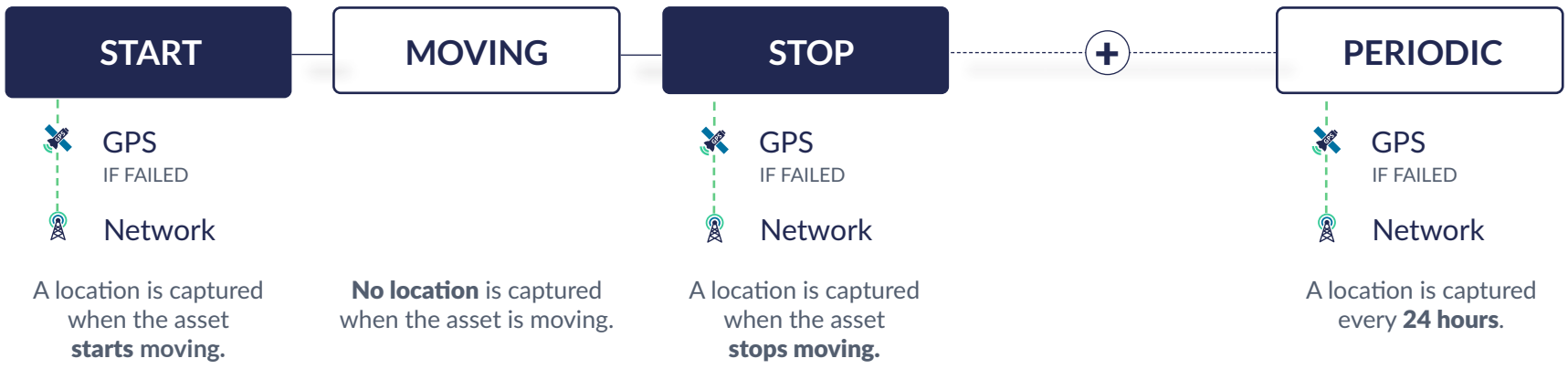
Standard waste container profile for TRACK 1101

This is the standard usage profile of a tracker attached to a waste container.
This profile guarantees the optimal way to capture the real behaviour of a waste container in a power efficient way.

Profile name: Waste container Standard Track 1101

When and how does the tracker determine location updates?



WHEN are locations determined and sent?

Locations are by default captured based on the motion pattern of your waste container. This means when the tracker detects that your waste container starts or stops moving, it will capture the location.

Next to this, the tracker also captures a location every 24 hours. This is called a periodic location capture.

For every parameter a default setting is selected. Other settings can be chosen if needed for your asset tracking solution.

Parameter	Default	Other available settings
When is a start detected?	Low start sensitivity: A start is detected when the asset moved in 3 consecutive slots of 20 seconds.	Very low start sensitivity: A start is detected when the asset moved in 15 consecutive slots of 20 seconds.
Are more locations captured by departure?	Same location capture during departure.	More frequent location captures during departure.
Are locations captured while moving?	No, locations are not captured while moving.	Yes, • Every 10 minutes • Every 15 minutes • Every 20 minutes • Every 40 minutes • Every hour • Every 3 hours • Locations are sent while moving, almost real-time (location is captured every 5 min and send every 20 km travelled OR > 45 degree change OR every 30 min) – most real-time • A detailed log of locations is kept (location is captured every 10 min and are send every hour)
When is a stop detected?	A stop is detected when the asset has not moved for at least 30 minutes.	A stop is detected when the asset has not moved for • at least 5 minutes • at least 10 minutes • at least 1 hour
Periodic location capture?	Every 24 hours	• Off • Every 12 hours • Every 48 hours • Every 72 hours
Scheduled location capture?	Off	• Every day at midnight 12 AM UTC

HOW are locations determined?

By default the tracker only scans for GPS signals and Network locations as fallback.
Optionally, geobeacons and/or Wi-Fi localization can be used as secondary choice when the tracker fails to capture location via GPS.

Parameter	Default	Other available settings
What are the localization technologies?	GPS → Network	• GPS → Wi-Fi[2] → Network • Geobeacon → GPS → Network
What is the GPS precision (CEP)?	Standard precision on stop (25 meters)	Higher precision on stop (4 meters [1])

Battery saving options

When your asset travels outdoor and indoor it is a good idea to configure the GPS in such way that the battery last as long as possible. Select the correct usage to optimize battery lifetime.

Parameter	Default	Other available settings
Preserve battery saving while using GPS?	Off, best for outdoor usage	• On, generic battery saving mode, for assets most time indoor • On, best for combined indoor-outdoor usage

Which additional sensor information is measured?

Optionally, the tracker can detect when a container is emptied. This requires correct installation of the tracker.

Parameter	Default	Other available settings
Detection when container is emptied based on orientation?	Off	• On, monitor when emptied • On, monitor when emptied and send a location update • Anti-tamper function

Other parameters

Defines whether or not the tracker constantly emits a BLE (Bluetooth Low Energy) signal so that it can be detected by zone anchors and mobile phones nearby.

Parameter	Default	Other available settings
BLE advertisments to make your tracker visible to smartphones and zone anchors	Off	On

[1] In 80% of the cases
[2] Comes with an extra cost
[3] Contact Sensolus for more options

Want a customized tracker usage profile?

Contact Sensolus sales.