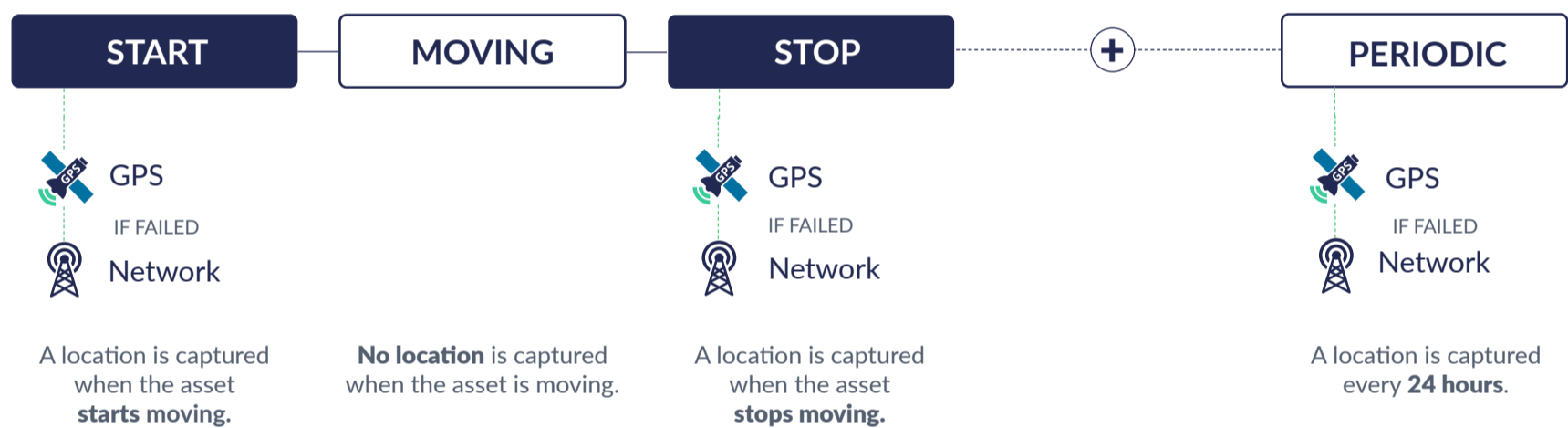# Standard waste container profile for TRACK 1000 and 1020

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 names: WASTE CONTAINER STANDARD TRACK 1000
                 WASTE CONTAINER STANDARD TRACK 1020

When and how does the tracker determine and send location updates?

START	MOVING	STOP	+	PERIODIC

START

GPS

IF FAILED

Network

A location is captured when the asset **starts** moving.

MOVING

No location is captured when the asset is moving.

STOP

GPS

IF FAILED

Network

A location is captured when the asset **stops moving.**

PERIODIC

GPS

IF FAILED

Network

A location is captured every **24 hours**.

WHEN are locations determined?

Locations are captured based on the **motion pattern** of your waste container, this means when the tracker detects your asset started or stopped 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 at least 3 consecutive slots of 20 seconds.	Very low start sensitivity: Asset has moved in at least 15 consecutive slots of 20 seconds.
Are locations captured while moving?	No, locations are not captured while moving.	Yes, • Every 10 minutes • Every 20 minutes • Every 40 minutes • Every hour • Every 3 hours
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
Scheduled location capture	Off	• Every day at 12 PM GMT

HOW are locations determined?

By default the tracker scans for GPS signals. If the GPS location capture fails, network triangulation is used to get a (not very precise) location. **Optionally, geobeacon or/and Wi-Fi localization** can be used as fallback when the tracker fails to capture a location via GPS and needs a more precise location than a network location.

Parameter	Default	Other available settings
Localization technologies	GPS with network triangulation fallback.	• Scan for geobeacon on stop and periodic first. If no geobeacon is found, make a GPS fix with network triangulation fallback. • GPS with Wi-Fi [2] and network triangulation fallback. Wi-Fi fallback only happens on stop, not while moving.
GPS precision (CEP)	25 meters	4 meters [1]

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
Orientation monitoring	Off	• Detection when container is emptied • Anti-tamper functionality (not for 1020)

HOW and WHEN are locations and sensor information sent to the Sensolus platform?

Captured locations and sensor information are **sent to the Sensolus platform when the asset stands still for 25 seconds.** This is because the chance of successfully sending data to the platform is much higher when the asset is standing still. The Sensolus patented **data integrity algorithm** to prevent data loss is enabled by default.

Parameter	Default	Other available settings
Emission power (not for 1020)	Optimized for battery life.	Optimized for maximum coverage.

Other parameters

Parameter	Default	Other available settings
BLE advertisments to make your tracker visible to smartphones and zone anchors	Off	On
Anti-tamper functionality based on tamper button (only for 1020)	Off	On

[1] In 80% of the cases
[2] Comes with an extra cost

Want a customized tracker usage profile?
Contact Sensolus sales.