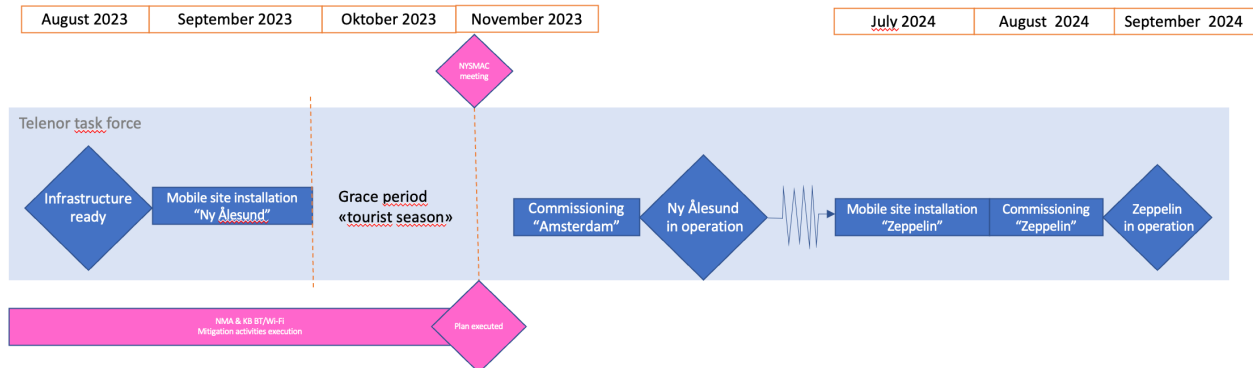


(1) Procedures for launch of a mobile network in Ny-Ålesund



Plans for launch / commissioning period

Starting immediately, Kings Bay AS, in dialogue with and supported by NMA, NPI and other actors in Ny-Ålesund, will intensify the work to reduce the unauthorised use of Wi-Fi and Bluetooth on site. (Dialogue with cruise operators through (but not restricted to) AECO will similarly be intensified.)

Following the NySMAC meeting 2.-3. November 2023, Telenor's plan is to initiate a commissioning period for a mobile base station mounted at "Amsterdam". The exact initiation of the commissioning period will be announced through the NySMAC PID forum a minimum of 14 days prior to launch. The initial launch will take place during regular office hours, and early in the week (preferably Tuesday). During the commissioning period, transmission power will be gradually increased..

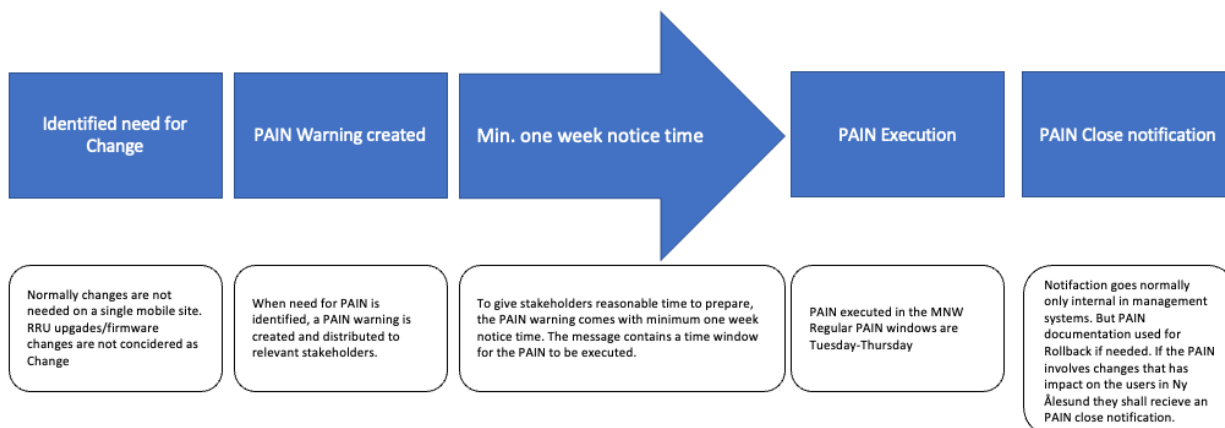
As part of the initial launch, and during the first 14 days of the commissioning period, Telenor Svalbard's back-office (svalbard-vakt@telenor.no / (+47) 7902 1764) will have extra focus on monitoring the operation of the Ny-Ålesund site.

The purpose of the Commissioning Period is to confirm that the mobile network operates as intended and to ensure that any unforeseen negative effects are avoided.

Status at end of commissioning period

- Operational mobile network in Ny-Ålesund
- No adverse effect on other ongoing activities/measurements

(2) Procedures for changes in the operation of a mobile network in Ny-Ålesund



Abbreviations:

- PAIN = Planlagt arbeid i nettverk (Planned work in network)
- RRU = Remote Radio Unit
- MNW = Mobile Network

While a mobile network in regular operational state is inherently stable, there are instances when changes to the system might be necessary (e.g., replacement of parts, system maintenance that causes interruption of services). The implementation of such system changes are referred to as "Planned work in network".

The exact initiation of "Planned work in network" will be announced through the NySMAC PID forum a minimum of 7 days prior to any action being taken. The announcement will contain detailed information about what work is planned, and a time window for when the work will be carried out. Regular planned work in network will be initiated during regular office hours, and typically takes place Tuesday - Thursday.

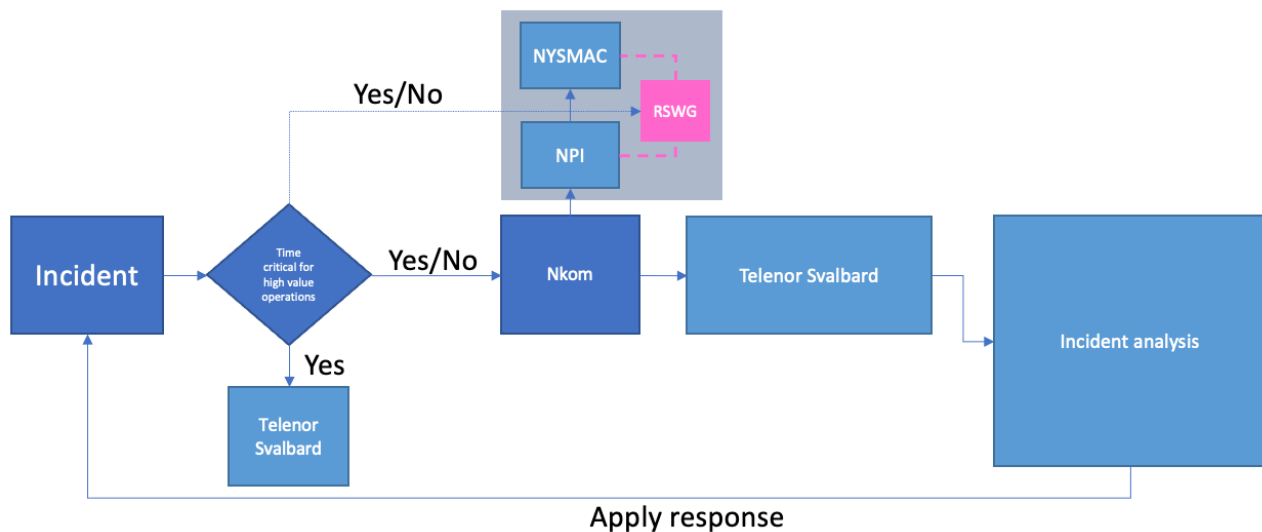
As part of a "Planned work in network" process, Telenor Svalbard's back-office (svalbard-yakt@telenor.no / (+47) 7902 1764) will have extra focus on monitoring the operation of the Ny-Ålesund site.

Once the "Planned work in network" has been completed, a notification will be posted on the NySMAC PID forum.

Status once change has been implemented

- Operational mobile network in Ny-Ålesund
- No adverse effect on other ongoing activities/measurements

(3) Procedures for the reporting and handling of incidents during standard operation of a mobile network in Ny-Ålesund



Should ongoing scientific measurements/activities in Ny-Ålesund experience disturbances that can reasonably be suspected to be caused by transmissions in the mobile phone network (i.e. "Incidents") the following procedures apply:

1. If the incident is considered time critical for high value operations, Telenor Svalbard should be contacted via appropriate email (svabard-vakt@telenor.no) and/or telephone ((+47) 7902 1764). Simultaneously, Nkom should be informed via appropriate email (firmapost@nkom.no) and/or telephone ((+47) 2282 4600) for assessment. (Primary contact person at Nkom is Øyvind Murberg (oym@nkom.no.) Nkom will file a report of the incident and their assessment to NPI, who will consequently inform NySMAC and the Radio Silence Working Group (RSWG). Nkom will also communicate their assessment to Telenor.
2. If the incident is not considered time critical for high value operations, but still has a negative impact on ongoing operations, a report should be filed with Nkom via appropriate email (firmapost@nkom.no) and/or telephone ((+47) 2282 4600) for assessment. (Primary contact person at Nkom is Øyvind Murberg (oym@nkom.no.) Nkom will file a report of the incident and their assessment to NPI, who will consequently inform NySMAC and RSWG. Nkom will also communicate their assessment to Telenor.
3. Anyone reporting an incident to Nkom is also welcome to submit information regarding the incident to RSWG. Contact address: falck@gfz-potsdam.de
4. All incidents, whether they are considered time critical for high value operations or not, will be analysed by Telenor. Nkom's assessment and Telenor's analysis will provide input to the operation of the mobile network to ensure that similar incidents do not occur again.

Nkom is the Norwegian national authority tasked with enforcing rules and regulations pertaining to the use of radio frequencies, and is therefore the primary (and only formal) point of contact for reporting of incidents. Nkom will also, as is their mandate, follow up any incidents.

The RSWG is NySMAC's Radio Silence Working Group, which offers optional (not mandatory) support for discussions related to suspected or confirmed incidents between any involved parties. (Contact address: falck@gfz-potsdam.de)

Status once an incident has been reported, assessed and analysed

- Operational mobile network in Ny-Ålesund
- No adverse effect on other ongoing activities/measurements