



S-100 Implementation in Sweden

NHC 66, agenda item C.2

What do you see as the three biggest challenges in implementing S-100 in your Hydrographic Office?

1. Existing resources are already occupied with ordinary production. It is a challenge to allocate dedicated resources to implement the new S-100 products. SMA is trying to get some extra funding through EU-programmes.
2. Production systems are not yet mature enough to start testing and to understand the most efficient way forward. Understandable since the S-1xx Product Specifications are not operational yet.
3. Taking the role as the national S-100 Coordinator is a challenge. SMA has much of the responsibilities within the organization, but not always within the HO. We are also very much dependent on the Swedish Meteorological and Hydrological Institute (SMHI) for S-104 and S-111 as well as ice and weather S-41x services. Initial discussions have started with SMHI.



Do you expect that implementation of S-100 will change your current production processes? Will it impact the structure of your organization (i.e. need for new capacities, skills etc.)?

The current production process at the Swedish HO is already data orientated, so there will probably not be major differences in the production processes. However, refinements and harmonization between different S-100 products will be needed which is not in place presently.

There will be a need to allocate resources to totally new tasks, which might influence the organizational structure. As our staff successively learn about S-100 the competence will grow. It will be difficult to find such competence outside HOs, so it must be an in house learning process.



ROK and Canada have both been running National S-100 Committees to enable coherent national S-100 implementations. Have your offices initiated anything similar, or what is your office's/your country's approach to the role as National S-100 coordinator?

Our HO has a dedicated S-100 Coordinator and the National Hydrographer has also a responsibility to coordinate the S-100 implementation on a national level. Since the responsibility of most S-100 products falls under the organization of SMA, implementation of those products should be fairly easy to coordinate.

Initial discussions and one project proposal has started with SMHI. A General Director's Meeting between SMA and SMHI with S-100 as a theme was arranged in February 2023.

A major challenge will be to coordinate harbour information for S-131.

