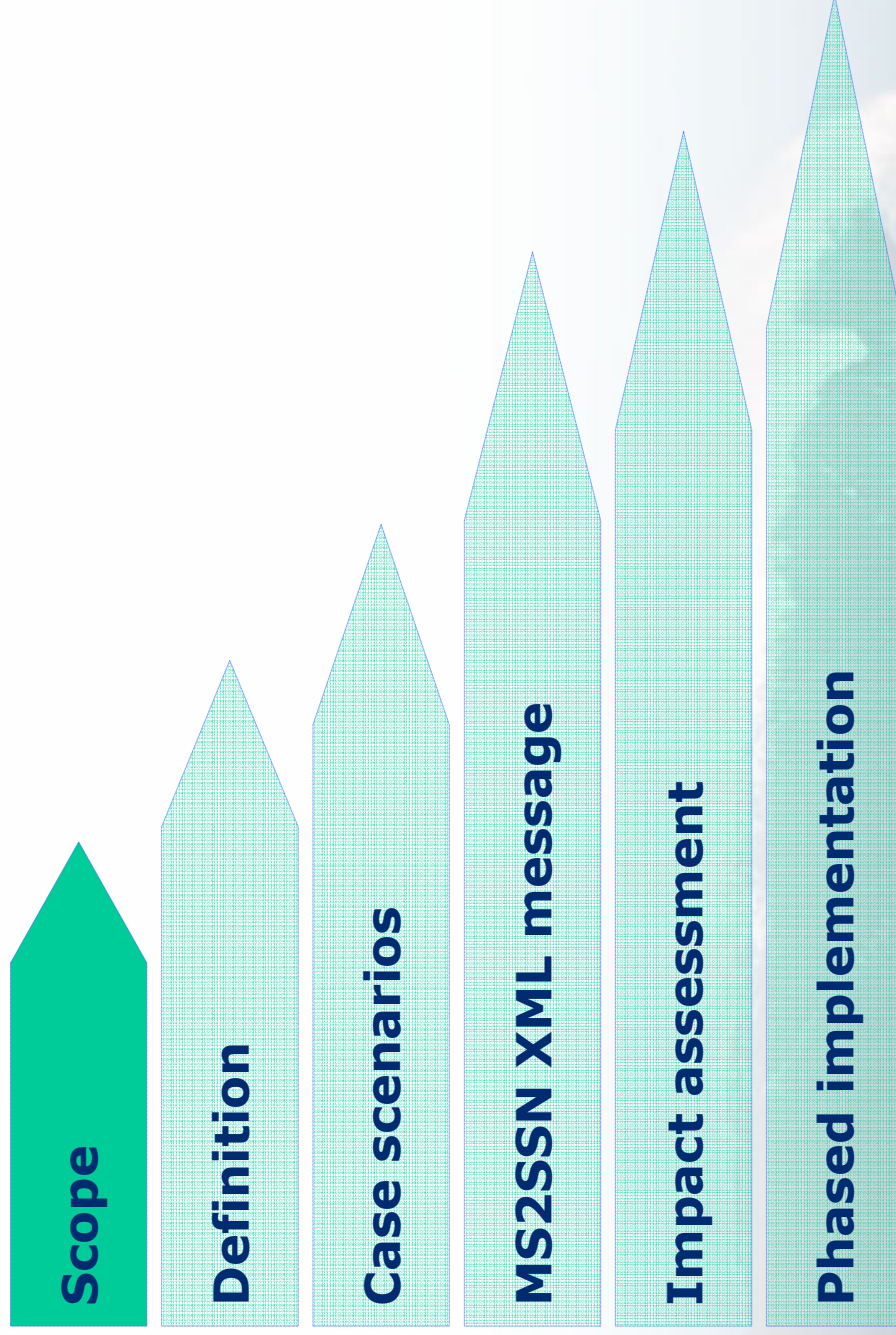


1st SSN Technical Working Group (WGT1)

Introduction of the 'ShipCallID' attribute and updating process

SSN/WGT/01/03

The Hague, 18 February 2009



A. From an operational perspective, the current “latest” notification registered in the SSN-EIS does not always correspond to the actual latest one

The right order of the notifications arriving to the SSN core is not always kept

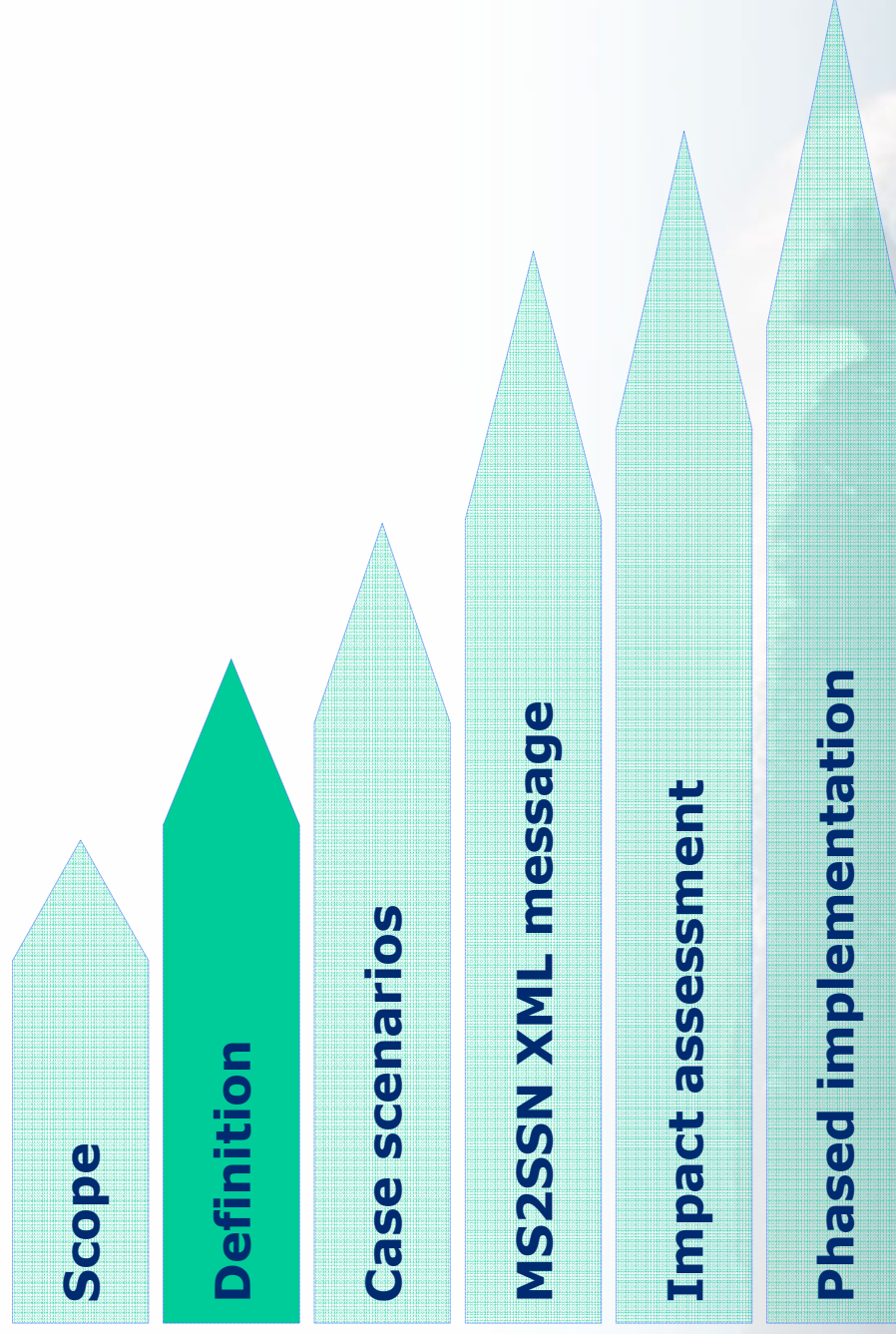
B. Maritime Support Services receive a lot of requests for manual deletion of notifications, creating additional workload to MSS

C. The recast Directive on Port State Control (PSC) requires Member States (MS) to provide information on ship's pre-arrival, ATA and ATD to THETIS through SSN

Pre-arrival information, ATA and ATD should be correlated each other

Mechanisms should be introduced to:

1. Keep the right order of the notifications arriving to SSN-EIS
2. Update specific elements in notification already received
3. Remove erroneous notification
4. Correlate notifications to the same ship call /voyage



"ShipCallID" Attribute of the Voyage Information element to identify exactly the ship call which the notification relates to

The MS will assign the same value for ALL notifications sent for a ship and related to a specific voyage

ShipCallID's reported by MSS via XML will be linked, at SSN-EIS level, to a unique VoyageID identifier

"ShipCallID"

an identifier (text string similar to the one used currently for MSRefID) generated by the national SSN system

- ***mandatory*** *attribute* for inbound voyages or voyages within the same MS, otherwise
- ***optional*** *attribute* for outbound voyages (for EU and non-EU ports)

"NotificationStatus" element shall enable to:

1. **associate a notification to a previous one, tracing the right order of notifications**
2. **update/replace wrong data earlier reported into a notification, or add additional ones, and**
3. **completely delete a notification if necessary (either because was erroneously sent or because it is outdated)**

"NotificationStatus"

XML message body's element incorporating the attributes:

UpdateStatus → with possible values such as New, Uppdate, Replace, Delete*

UpdateMSRefID → identifying the MSRefID(s) of the notification that are to be updated or replaced

* Deletion request should be implemented via the introduction of a new message into XML protocol

Though they aim both to improve data consistency and quality in SSN, they are independent one each other and serve different purposes:

ShipCallID → points to the ship voyage, while

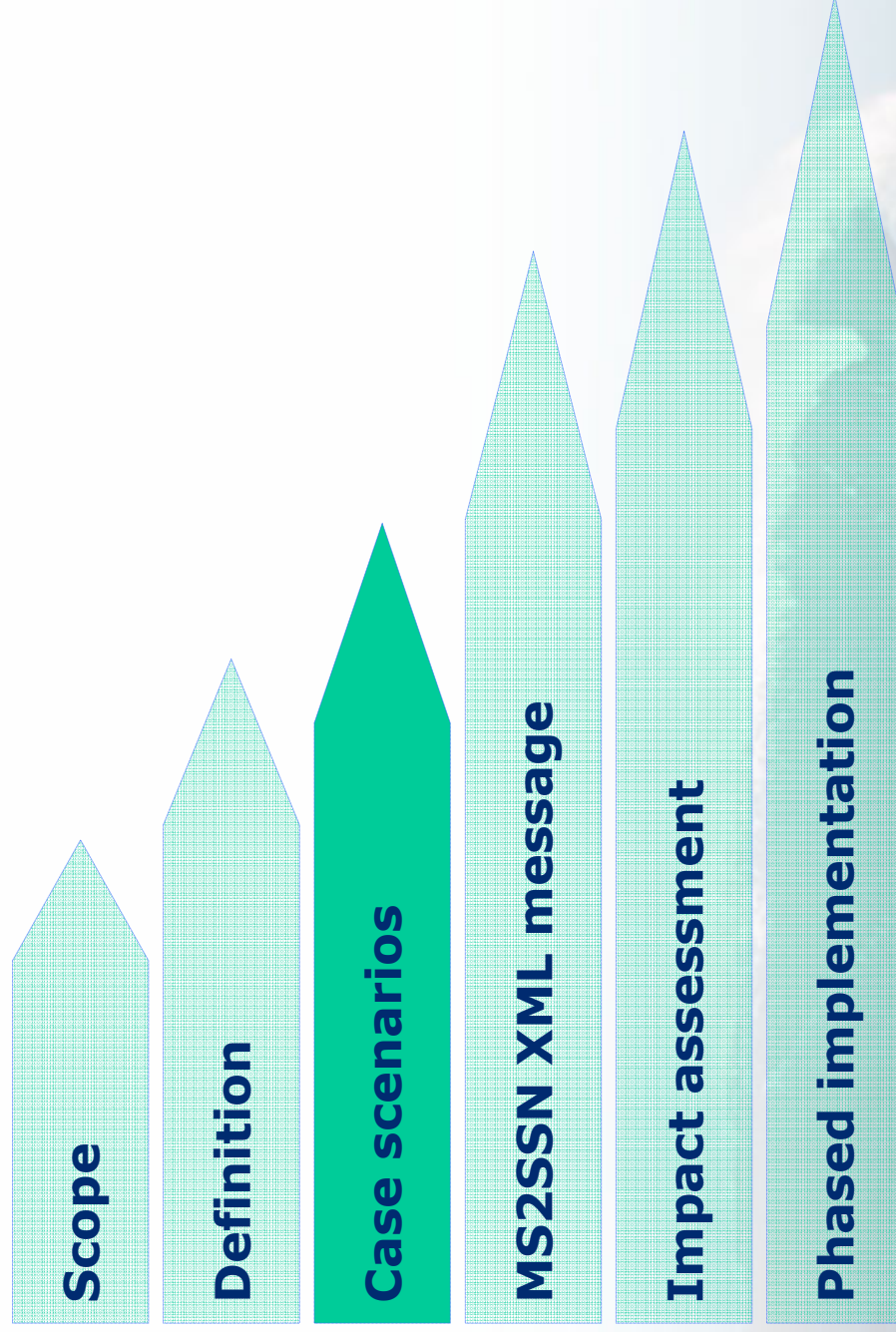
NotificationStatus → identifies the relationship of a notification with another one previously registered into SSN-EIS

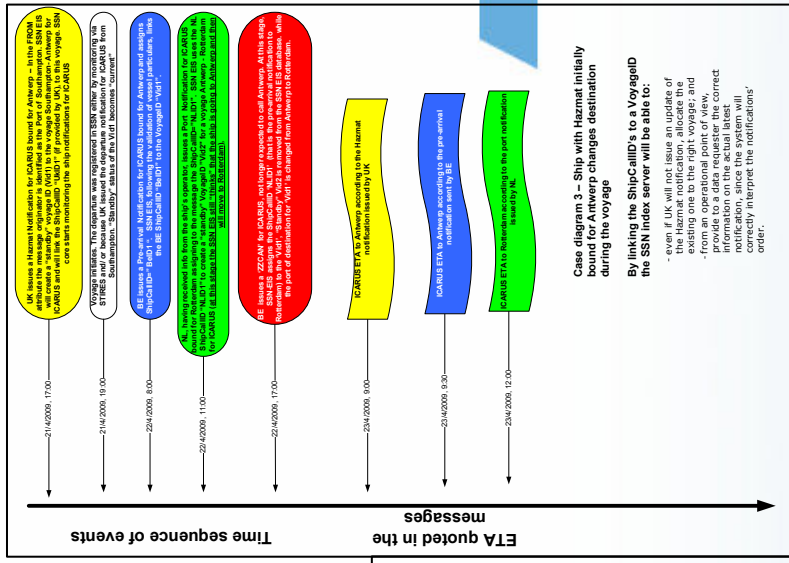
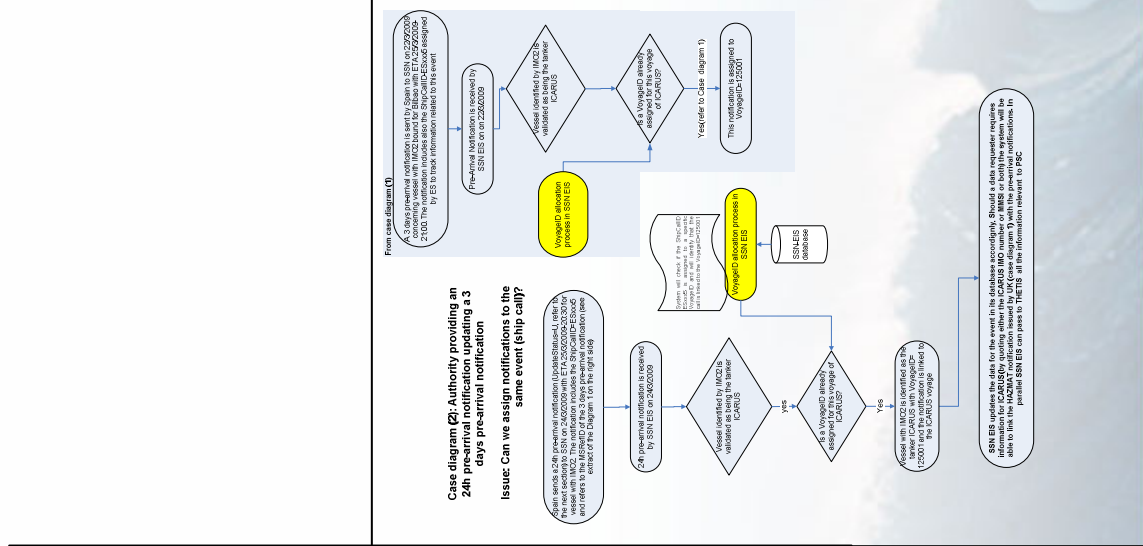
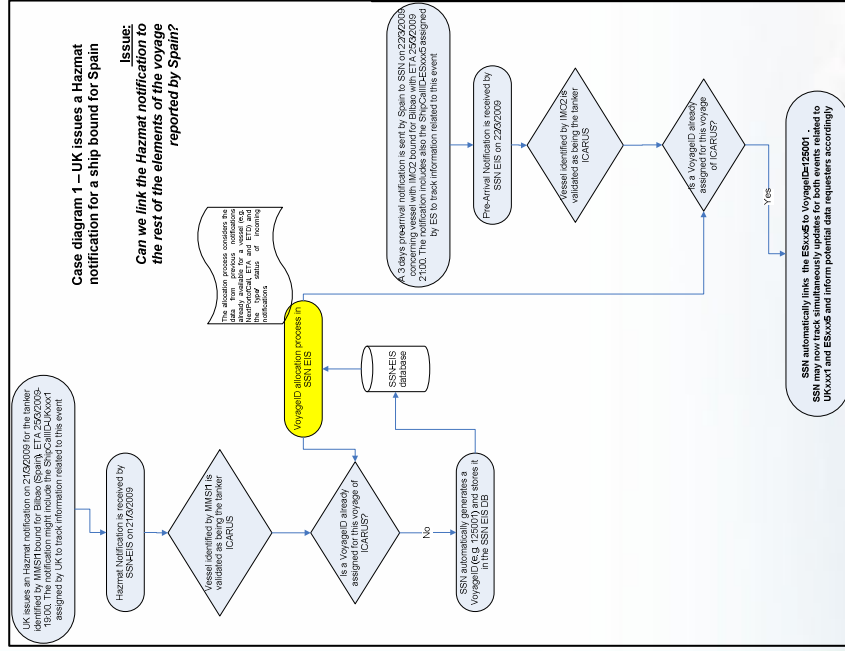
'ShipCallID' handling by SSN-EIS

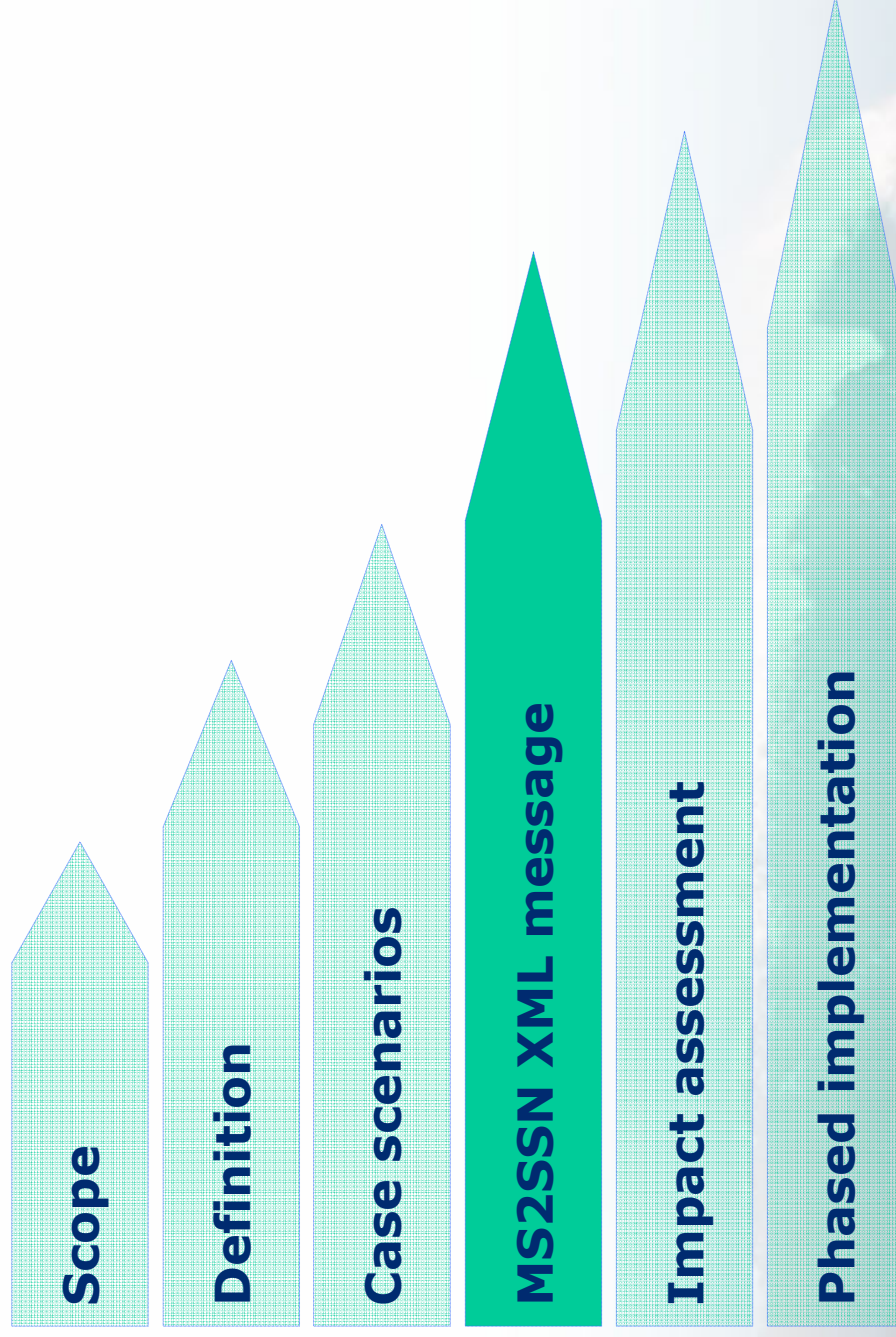
SSN-EIS will assign a "SSNVoyageID" as a unique identifier (number) to correlate notifications sent by different MSs but concerning the same ship's voyage

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A set of checking rules (using attributes reported in the notifications) will be applied to correlate notifications originated by different MSs and related the same voyage







ShipCallID

VoyageInformation	1			VoyageInformation element node
ShipCallID	0-1	Text	1-36	Reference identifier, assigned by the notifying MS upon sending the first notification related to the ship call. <u>Mandatory for inbound voyages or voyages within the same Member State.</u> Thus, the ShipCallID should be same in all the notifications relevant to the same ship call and <u>UNIQUE</u> , as far as a ship call is concerned.

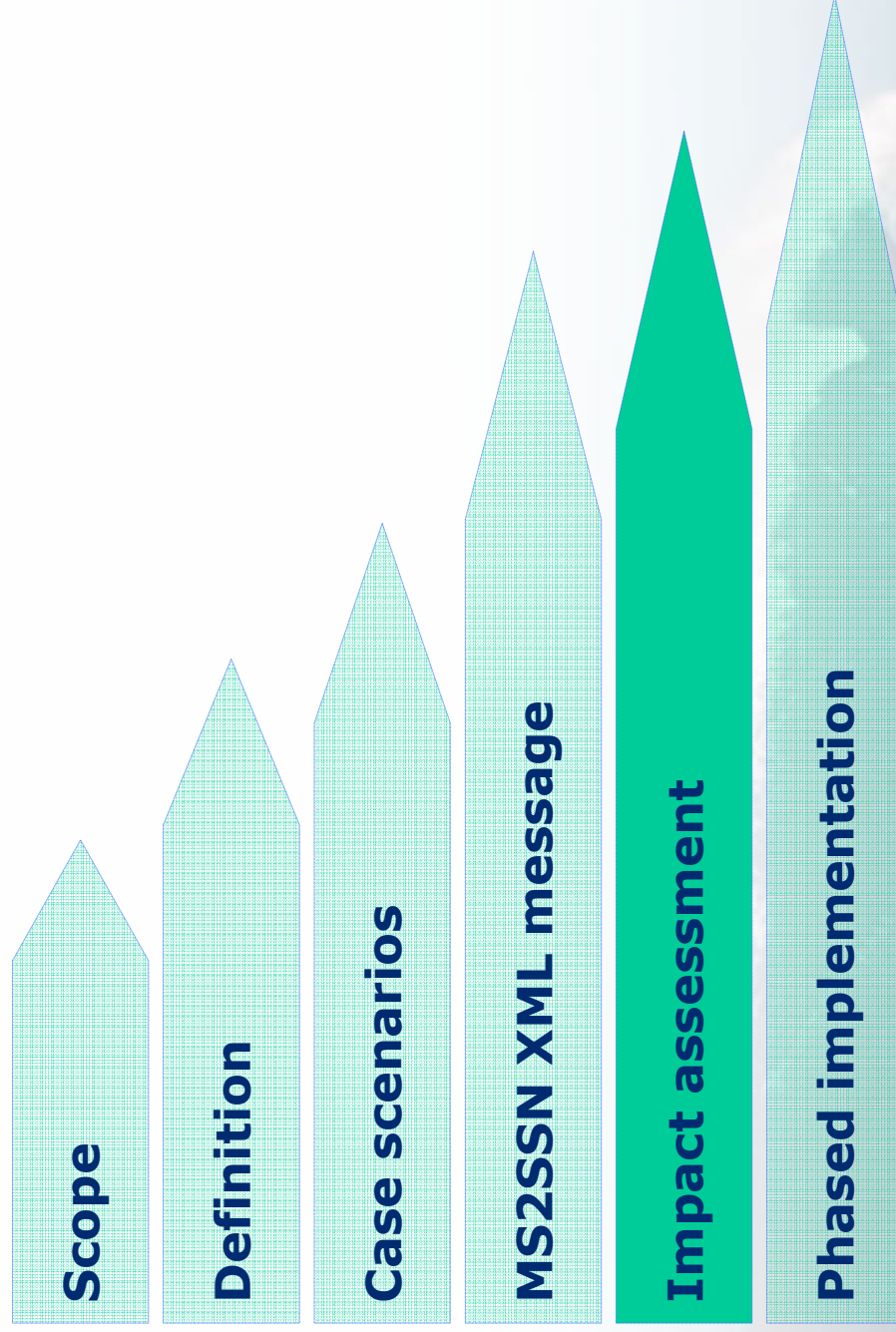
NotificationStatus (as to be introduced in the SSN notification messages)

NotificationStatus	0-1			
UpdateStatus	1	ENUM		<p><u>Potential values:</u></p> <ol style="list-style-type: none"> N <u>for a new notification</u> U <u>for an updating notification related to a previous one identified by the UpdateMSRefID attribute. The update will not cause the replacement of the previous notification. A new record for the updating notification is to be created within the SSN EIS database.</u> R <u>for a replacing notification related to a previous one identified by the UpdateMSRefID attribute. The record created by the previous notification is kept in SSN EIS while the content is replaced by the replacing one.</u>
UpdateMSRefID	0-99	Text	1-36	Reference number identifying the MSREFID (s) of the notifications that are to be updated or replaced. Null in case of NEW notification. Mandatory in case of a notification updating/replacing another notification sent earlier.

'Deletion' notification

NotificationStatus	1				
UpdateStatus	1	ENUM			<i>Value:</i> D – Indicating a request for deletion
UpdateMSRefID	1_99	Text	1-36		Reference number identifying the MSRefID (s) of the notification(s) that is (are) <u>to be deleted</u>.

Please, take note there was a typing mistake in the document SSN-WGT/01/03!



Impact on Member States

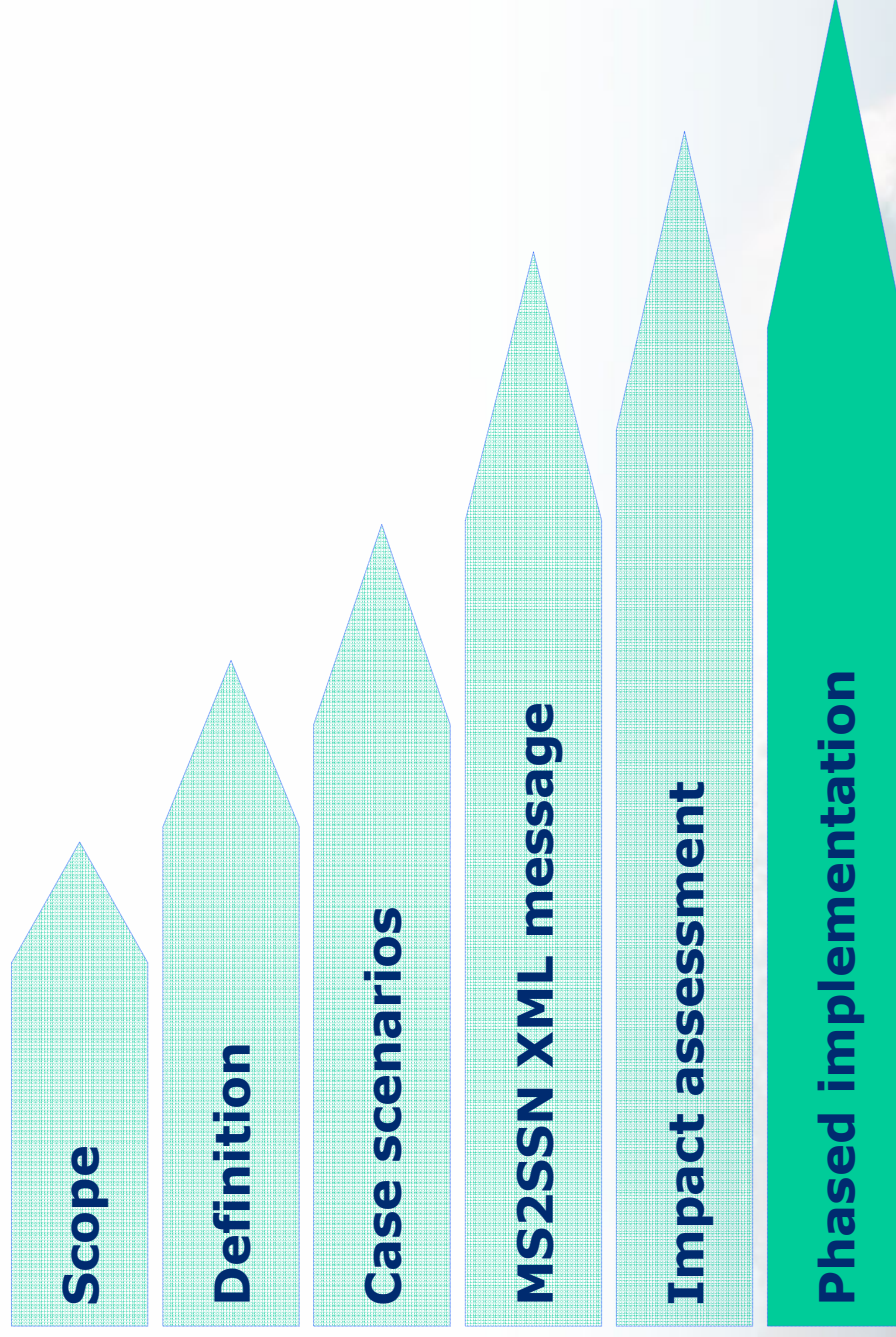
Member States would have to upgrade their system in order to:

- incorporate the new *ShipCallID* attribute in the *VoyageInformation* element of all the notifications (existing and new) sent to SSN
- incorporate the *NotificationStatus* element in all the notifications (existing and new) sent to SSN and
- implement the Notification deletion message

Impact on SSN Index Server Applications

SSN index server application should be updated to incorporate the new functionality

Validation rules need to be developed for the *VoyageID* allocation process utilising either *ShipCallIDs* transmitted by MS and data reported within the notifications



Phased implementation

Ideally, the proposal should be applicable to both existing and new messages since aiming technical as well as operational enhancements. However, should Member States decide differently, the implementation could follow a two-phases approach:

1st phase – initially implement the new attribute only for the PSC related messages, (e.g. 3days or 24h pre-arrival, arrival, departure notifications), then

2nd phase – to implement the new attribute for the rest of the existing messages

Thank you for you kind attention

¿ Any Question ?