



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne



Safety First, Service Always



**Exercise Concept and Preliminary Results
For
Agreement on Cooperation on Marine Oil Pollution Preparedness and Response in the
Arctic**

Host: CANADIAN COAST GUARD

Presentation Outline



Exercise Framework

Priorities

Divided Event Concept

Phases 1&2: Communications Web

Phase 3: Table Top Discussion

Timetable

Discussion

Clipper Adventurer, Grounding 2010



Exercise Framework



Purpose:

- Execute selected components of the Operational Guidelines in collaboration with Arctic States

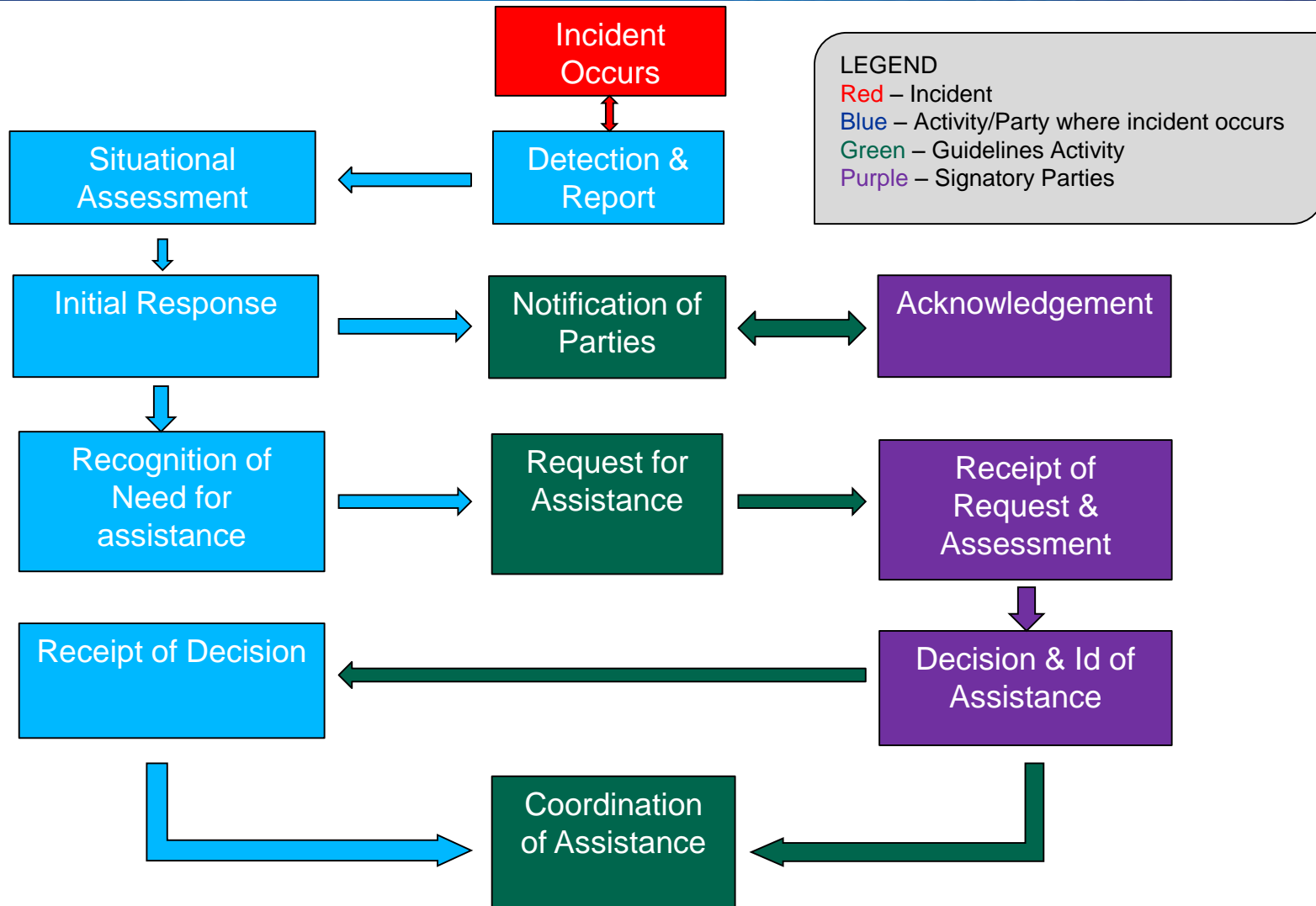
Concept drivers:

- Introduce a new response procedure; and,
- Develop familiarity between national competent authorities (in the execution of requests for assistance)

Administration:

- Canada, as Host Nation, coordinates the overall exercise, evaluations and final report.
- The report will be tabled with the Arctic Council and lessons learned which may impact changes to the Guidelines will be submitted to EPPR.

Typical Incident Scenario





Phase 1 – Notification of Parties

- Section 1 of the Guidelines requires the accumulation of information in a standard format and its conveyance to the other parties “National 24 hour Operational Contact Points”. Acknowledgment of notification from the receiving Parties completes this activity.

Phase 2 – Requests for Assistance

- Section 2 of the Guidelines outlines the manner in which requests for assistance are to be framed, acknowledged and replied to. Parties considering delivering the assistance are required to acknowledge and assess the request in accordance with section 2.3 of the Guidelines.

Phase 3 – Movement and Removal of Resources Across Borders

- Section 3 of the Guidelines outlines the processes which should facilitate the movement of personnel and equipment across borders.

Divided Event Concept



1. Breaks down the three activities into discrete steps conducted in phases (Including evaluations)
2. Allows for slower pace and more methodical approach
3. Limits duration of activities to normal working hours
4. Allows for flexibility, due to time zone considerations



Phases 1 & 2 – Communications Web



For simplicity, only Greenland contact is shown for Danish participation. 24/7 Contacts also include Faroe Islands.

Phase 3 – Table top Discussion

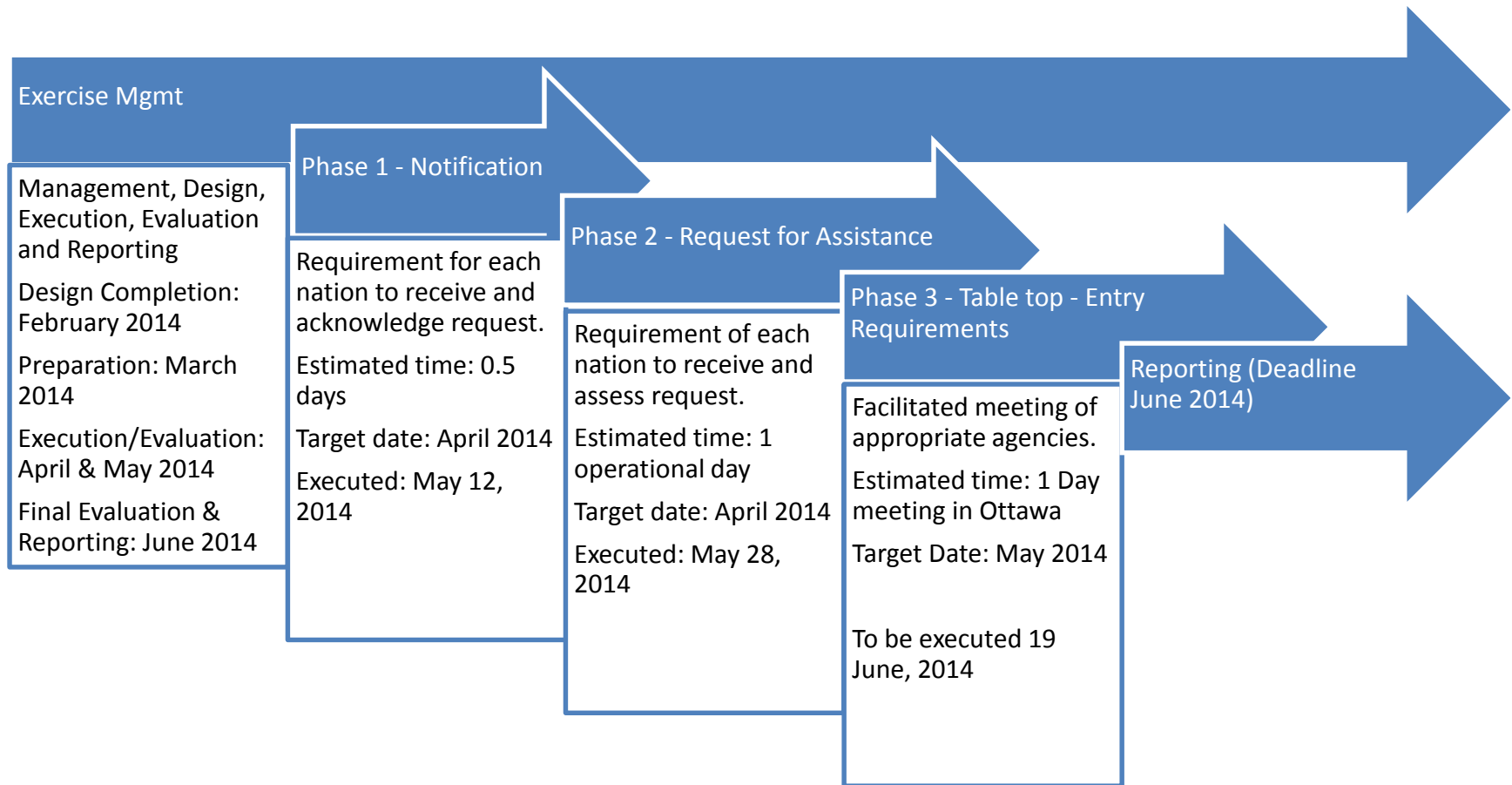


Objective:

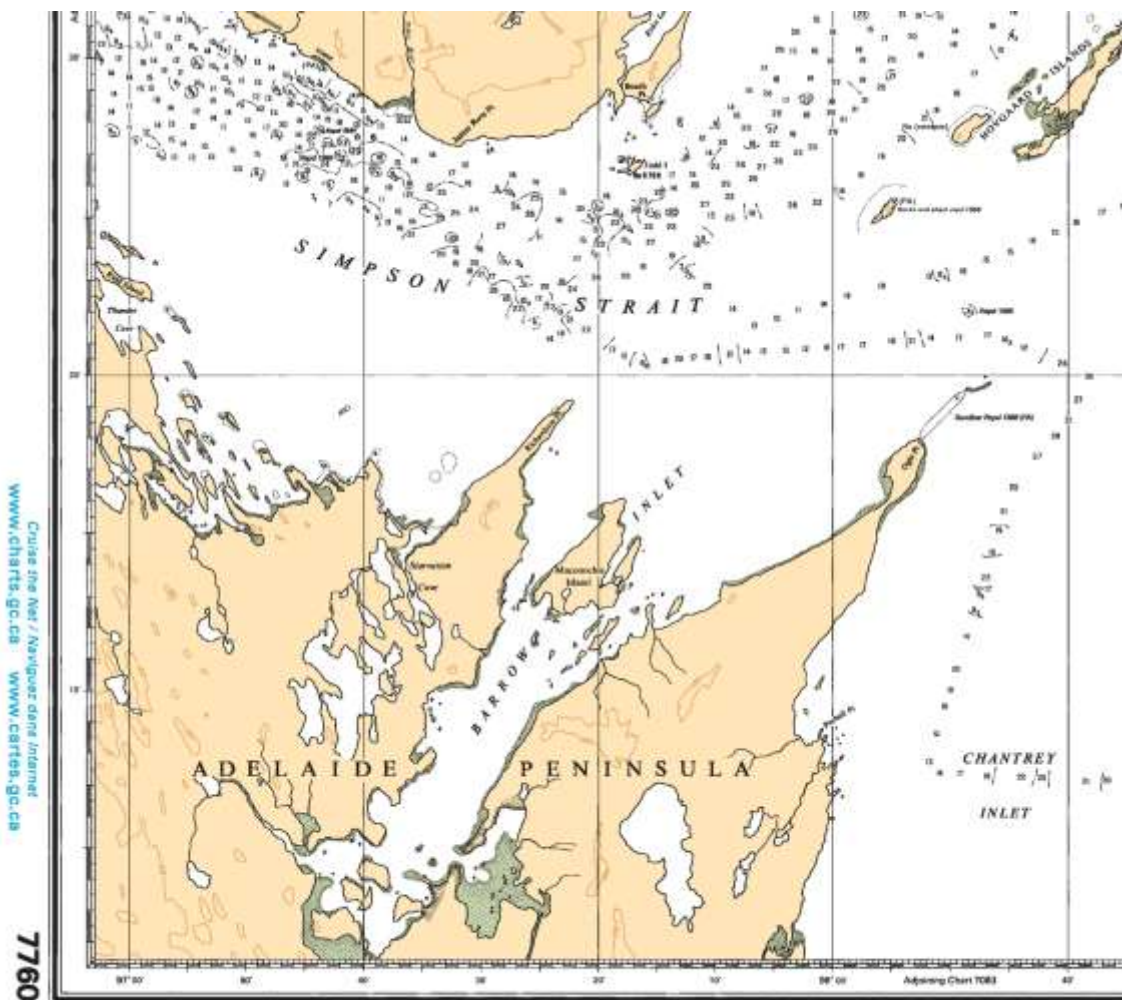
To discuss entry and removal requirements for Personnel and Equipment.



Proposed Timetable



Scenario - Teaser



Scenario:
Tanker aground in
Simpson Strait
(68° 25" N 096° 22" W)

Spilled product:
Marine Diesel Oil

Early September
0-4° C, Wind N and NNW
0-6m/s, 1.5 m wave height
diminishing to 0.1 m, Ice
conditions : TBD

Consult the Net / Consulter dans Internet
www.charts.gc.ca www.chartes.gc.ca

7760

ADVANCE PRINT 1967
FIRST EDITION MAY 1 1969 REPRINT AUG 19 1985
Consulted in NOTICES TO MARINERS / Consulter dans les FAITS AUX NAVIGATEURS : 1985 807 3070-67-23
See Notice to Mariners for subsequent corrections / Voir Avis aux navigateurs pour les corrections subséquentes

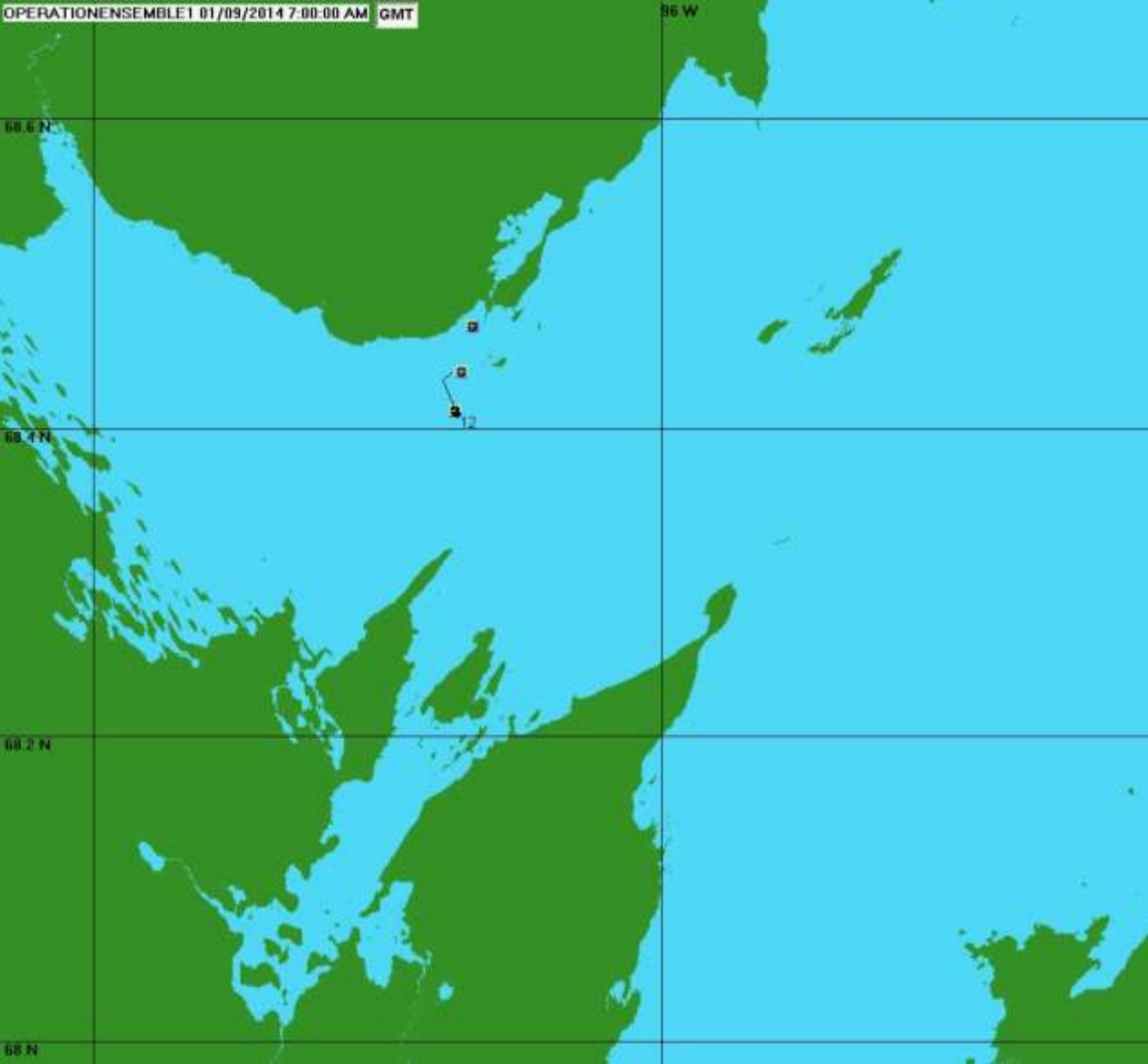
WARNING
Mariners may find port hand buoys painted black or
green and starboard buoys painted black and white or red
and white. In both cases, either precaution is to be
observed in passing. The same nomenclature applies.
See Notice to Mariners No. 430 of 1982.

AVERTISSEMENT
Les navigateurs peuvent trouver les bouées de balises
rouges de port et blanches de starboard peintes de noir
et vert ou de noir et blanc. Dans ces deux cas, les pré-
cautions correspondantes à l'égard de la navigation et de
l'alignement de navigation. Voir Avis aux navigateurs
No. 430 de 1982.

Incident Trajectory – 30 days



OPERATIONENSEMBLE1 01/09/2014 7:00:00 AM GMT



Emergencies Science and Technology Section
Science & Technology Branch
Environment Canada

Trajectory and Fate & Behaviour Modelling
Spill Incident: Operation Ensemble Exercise
Requested by: CCG/NEEC

Spill Site: 68° 24.77' N, 96° 21.7' W moving to
68° 28' N, 96° 20' W

Spill Date & Time: September 01, 2014 at 07:00am GMT

Spill Duration: 30 days

Spill Product: Marine Diesel Oil
Spill Volume: 1440 cubic metres

Wind Data: Provided by CCG

Current: BIO Tide Constituents

Simulation Duration: 30 Days

Time Step: 3 hours

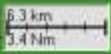
Color Key

OILMAPTRJ KEW

OILMAP

Trajectory Colors:

Surface Oil	Dark Blue
Shoreline Oil	Red
Surface Swept Area	Light Blue
Entrained Oil	Blue
Swept Area Entrained Oil	Light Green
Uncertainty Particles	Yellow





Main Objective

To evaluate the receiving countries integration of the notification procedures, acknowledgement and further notification of internal national competent authorities processes or procedures.

Overall Findings

Some variation in preferred transmission method

- Facsimile followed by E-mail followed by Phone call

Sample forms to HIGHLIGHT purpose of transmission

Validation of contact points, all ops centres, internal distribution and acknowledgment of transmission. (9 changes will be proposed related to the over 40 individual pieces of data)



Main Objective

To evaluate the countries ability to receive and address a specific request for assistance.

Overall Findings

Each nation was expected to acknowledge receipt of the transmission, and did so within a reasonable period of time.

Internal distribution to each countries NCP and Assisting authorities is under review.

Offers of assistance were received in accordance with the guidelines. Preliminary indicators point to a high level of detail sufficient to inform the next steps – movement of resources and Liaison officer identification.

Phase 3 - Expectations



Objective:

To evaluate the legal and procedural requirements to allow foreign resources to enter and operate in Canada as part of the provision of mutual aid.

Exercise Process:

Tabletop discussion of the various submissions to identify any concerns, issues and areas for future activity.

Caveat:

Because this process is focused on the Canadian requirements it is suggested that the results shall not be assumed to apply to other nations, recognising that each country has its own customs and entry requirements.



Main Objective

To evaluate the legal and procedural requirements to allow foreign resources to enter and operate in Canada as part of the provision of mutual aid.

Overall findings

- Temporary importation of consumable goods, equipment or service personnel can be accomplished without significant delay provided coordination between the lead department and Canadian Border Services Agency is facilitated.
- Certain equipment or assets that may contain potential contaminants or are specifically regulated in Canada are also subject to further clearance although not strictly customs activities.

Next Steps



1. Validation of results and finalisation of Exercise Report – July/August 2014
2. Creation of list of detailed amendments and actions, for approval by EPPR – Fall Meeting (next Meeting)
3. Execute changes to Guidelines and communication to holders of the Guidelines in each country.

Thank You

