

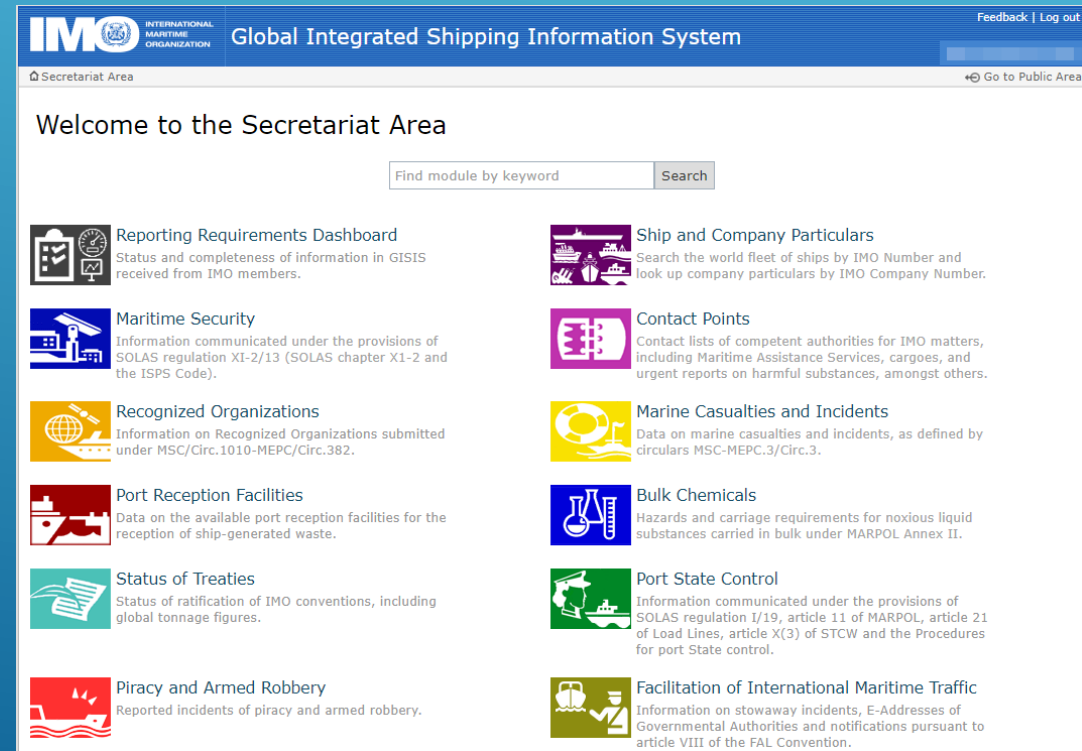
UN/LOCODE AND IMO

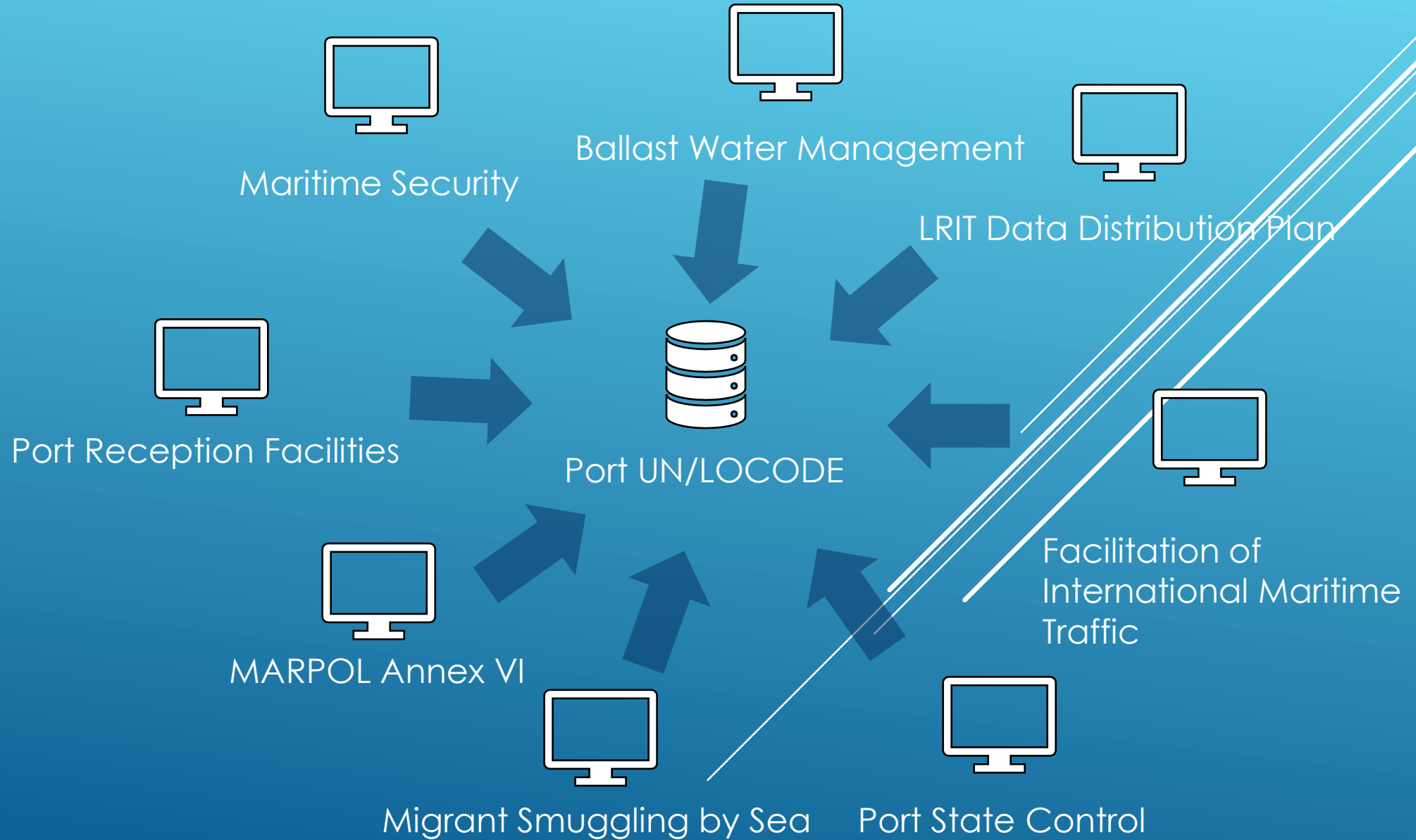
2019

Xiamen, China

- Established as a specialized UN Agency in 1948
- Headquarters in London, 174 member states and 3 associate members
- IMO regulations with reporting requirements

- Member States and intergovernmental organizations use GISIS for the reporting and transfer of data into and out of the system, as consistent with requirements in international instruments
- It contains Public, Members, and Secretariat areas, and use role based authentication
- Data exchange partners use service accounts and PKI certificate to ensure secure data transfer
- Almost 40 modules
- Modules are highly connected with structured data







Maritime Security



Port UN/LOCODE

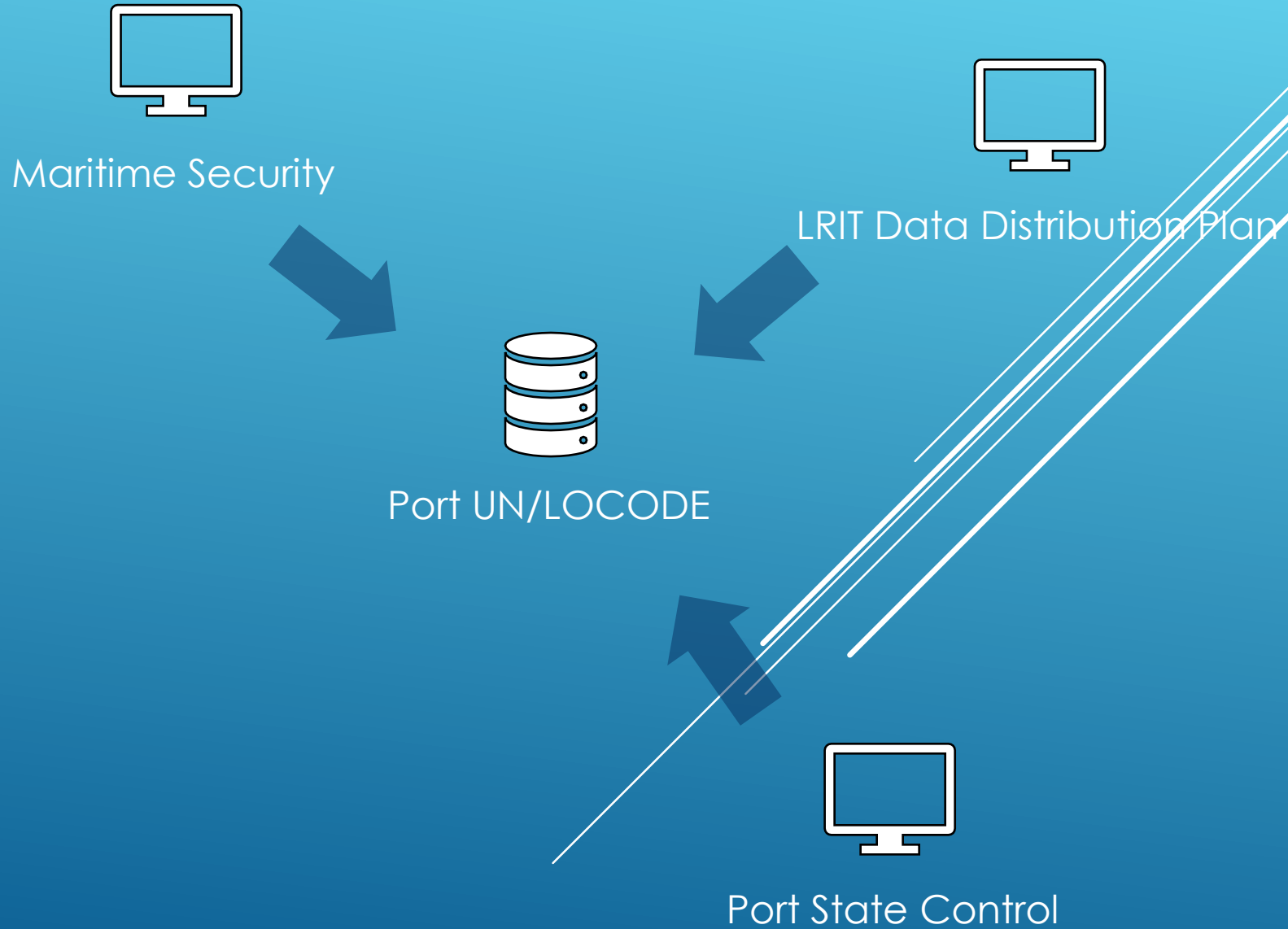
- Child coding for port facility has been used by Member States and the industry to identify port facility
- Number is assigned by the system and cannot be changed afterwards

Port Facility Details / China

Port Name:	Xiamen (CNXMG)
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Facility Details

Port facility name:	BERTHS 15#-17#, HAICANG PORT, XIAMEN
IMO Port facility number:	CNXMG-0041
Alternative names for this port facility, if applicable:	
Port facility description:	The terminal for Container ship
Latitude:	24 ° 27.00 ' N ▼ e.g. 3° 04.50' N
Longitude:	117 ° 58.00 ' E ▼ e.g. 123° 44.36' W





Maritime Security

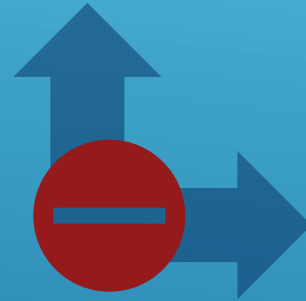


Port UN/LOCODE




```
<PortLOCODE>CNXMN</PortLOCODE>
<FacilityNumber>CNXMN-0041</FacilityNumber>
<Name>BERTHS 15#-17#, HAICHANG PORT, XIAMEN</Name>
<Alias></Alias>
<Description>The terminal for Container ship</Description>
<Longitude>117.97</Longitude>
<Latitude>24.45</Latitude>
```

- Submit facility data
- Export facility data
- Use SOAP web service



Problem

- What if LOCODE doesn't exist in GISIS?

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Port State Control data exchange

- Try to submit inspection report
- GISIS cannot add report because port does not exist
- Web service returns error

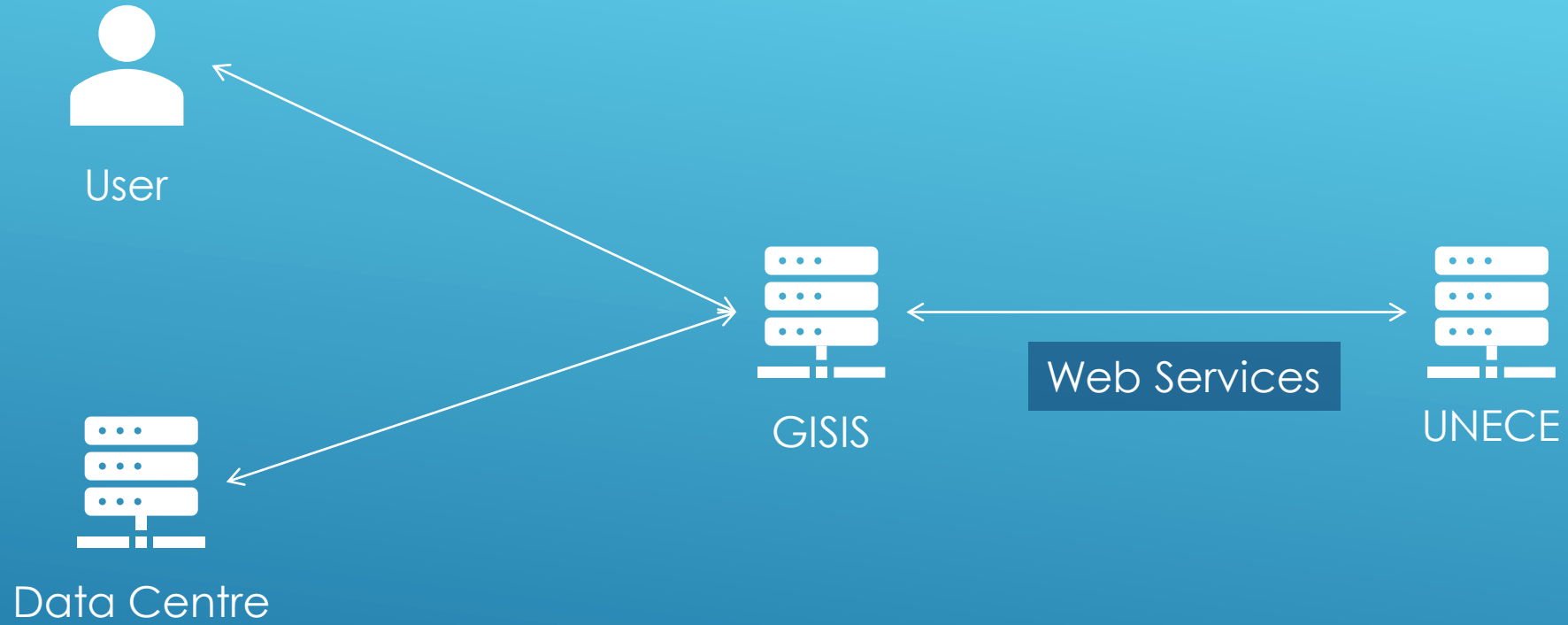
```
▼<failedNodes>
  <!--
    Error: [REDACTED] Couldn't map port: AUAMR
  -->
  ▼<SHIP_INSP_DETAILS>
    <insp_no>[REDACTED]</insp_no>
    <imo_no>[REDACTED]</imo_no>
    <ship_name>[REDACTED]</ship_name>
    <flag_code>[REDACTED]</flag_code>
    <ship_type_code>340</ship_type_code>
    <soc_code>169</soc_code>
    <year_build>2010</year_build>
    <call_sign>[REDACTED]</call_sign>
    <mmsi_no>[REDACTED]</mmsi_no>
    <gross_tonnage>[REDACTED]</gross_tonnage>
    <dead_weight>[REDACTED]</dead_weight>
    <insp_type>I</insp_type>
    <initial_insp_no/>
    <followup_sr_no/>
    <date_insp>[REDACTED] 2019-08-07</date_inspection>
    <port_code>AUAMR</port_code>
    <psco_flag_code>[REDACTED]</psco_flag_code>
    <Imo_comp_no>[REDACTED]</Imo_comp_no>
    <ship_owner>[REDACTED]</ship_owner>
    <insp_action_code/>
    <is_detention>N</is_detention>
    <date_release>0000-00-00</date_release>
    <supp_docu_yn/>
```

- Member State
 - Try to submit e.g. new port facility through web form or web service
 - Receives error during submission
 - Sends email to technical officer/GISIS administrator
- GISIS administrator
 - Check port LOCODE and name in GISIS
 - Validates LOCODE from UNECE web site
 - Adds port details to GISIS
 - Notify technical officer/Member State
- Member State re-submit

HOW TO IMPROVE



Proposal for data exchange



Web services suggested for UNECE

1. Get latest approved port details
 - Get single port by UNLOCODE
 - Get multiple ports by ISO 3166-3 country code
2. Get port update history
 - Current approved status and previous status
 - Time stamps and remarks for each change
3. DMR submission
 - Submit DMR to add, amend, or remove entries through secure web service
 - Get progress of the submission



PORT MANAGEMENT

Proposed GISIS Ports Module for Member States

1. Show all ports, including usage
 - Compare GISIS and UNECE data
 - Port change history
 - Usage by other modules

2. Show basic port information of other Member States

3. Ports data administrator to be able to
 - Add a new port if LOCODE does not exist in GISIS but in UN/LOCDE list
 - Verify and ensure there's no duplication
 - Delete or update a port if it's not been used by other modules
 - Submit a DMR if port does not exist in UN/LOCDE list or the information in UN/LOCODE needs update
 - Get updated status of DMR requests
 - Receive alerts of DMR requests

Wenzhou	CNWZO	9	3	20
Wuhan	CNWUH	0	0	0
Wuhu	CNWHI	3	0	4
Wusong	CNWUS	0	0	0
Wuzhou	CNWUZ	0	0	0
Xia Hua	CNXUA	0	0	0
Xiamen	CNXMG	29	66	573
Xiangtan	CNXTA	0	0	0
Xiaohudao	CNXHO	0	0	0
Xiaoshan	CNXIS	0	0	0
Xingang	CNXGG	0	0	0

Proposed GISIS Ports Module for Member States

- 4. Request update of GISIS port information by Ports data administrator
 - Ports data administrator will be unable to update information directly if port information is used by other modules
 - Request Secretariat to update GISIS port information
 - Name, coordinates etc.
 - Merge, split of ports
 - Secretariat will assess and make necessary changes

Read-only

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THANK YOU

A series of several parallel white lines of varying thicknesses, slanted diagonally from the bottom-left towards the top-right, crossing the right side of the slide.