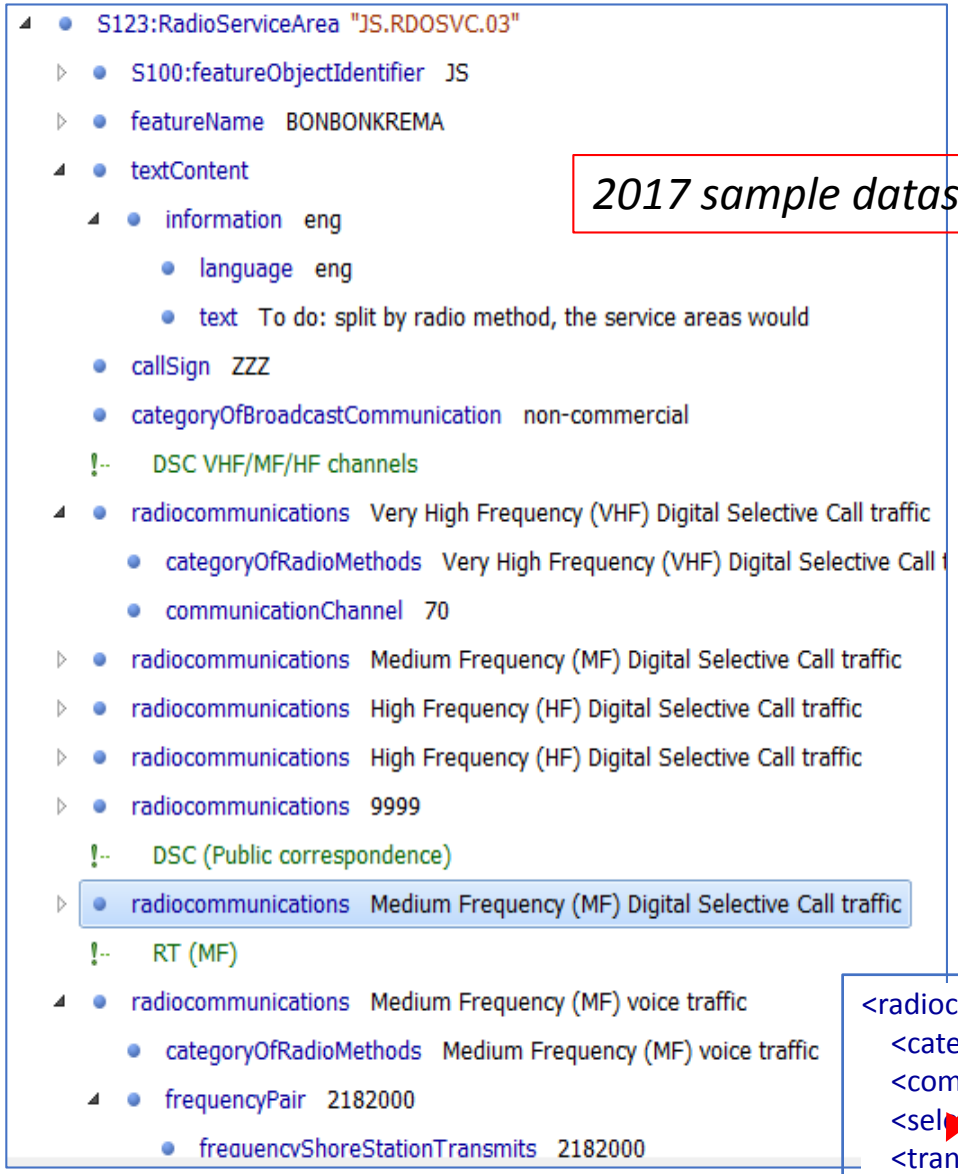
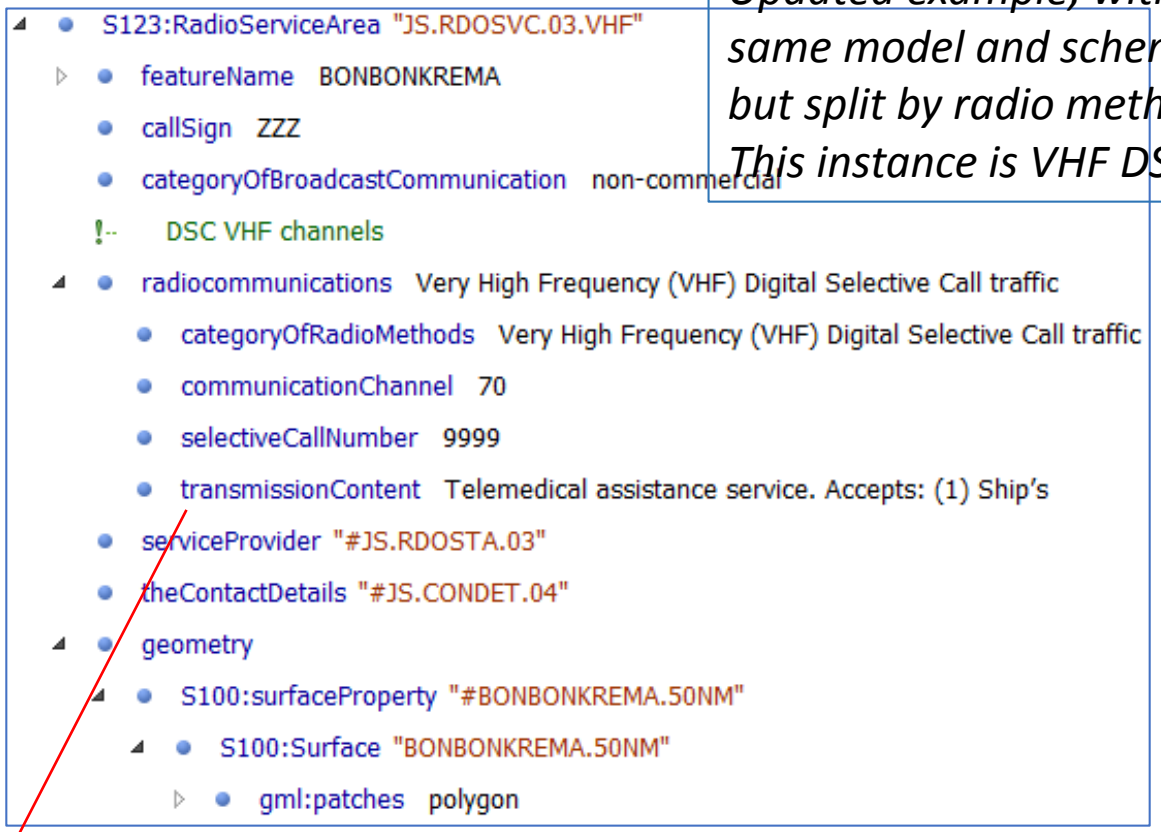
2017 sample dataset



Updated example, with same model and schema, but split by radio method. This instance is VHF DSC



TMAS, AMVER, RepSysReqdReps, WeatherRep should become listed values of *categoryOfMaritimeBroadcast*

```
<radiocommunications>
  <categoryOfRadioMethods>Very High Frequency (VHF) Digital Selective Call traffic</categoryOfRadioMethods>
  <communicationChannel>70</communicationChannel>
  <selectiveCallNumber>9999</selectiveCallNumber>
  <transmissionContent>Telemedical assistance service. Accepts: (1) Ship's Weather Reports addressed to
CENMETEOKREM; (2) AMVER messages; (3) JUSSREP messages</transmissionContent>
</radiocommunications>
```

Sources of encoding values on slide 1

BONBONKREMA (ZZZ) [9999]					
32°23′.30 S 60°57′.20 E	MMSI 005742031	DSC VHF : Can 70 DSC MF : 2187,5 kHz DSC HF6 : 6312,0 kHz DSC HF8 : 8414,5 kHz	AMVER		Diagram page 271
☎ +999(0)1 51365017 & 36502642		🖷 +999(0)1 51136501			
CALL : Krema Radio		email: mickleradio@jussland.js			
Inmarsat C : +583 422123457 Iridium phone : +991 621461635 TELEX : +998 441200 BBKRM					
NOTES : 1. Accepts **Ship's Weather Reports** adressed to CENMETEOKREM. 2. Station accepts AMVER messages. 3. Station accepts JUSSREP messages.					

MARITIME TELEMEDICAL ASSISTANCE SERVICE (TMAS)		
Usual name of centre	Jusslandcity Hospital, Jussland City	
Communications	Jussland MRCC : DSC A1 A2 A3 MMSI 005742029 Bonbonkrema MRSC : DSC A1|A2 A3 MMSI 005742030 Bonbonkrema (ZZZ) : DSC A1 A2 A3 MMSI 005742031	
Hospital Landlines :		
☎ +999(0)1 23456755-59		🖷 +999(0)1 23456760
MRCC :		
☎ +999(0)1 23456789		🖷 +999(0)1 23456788
		email: mrcc.jussland@jussland.gov.js
Inmarsat C : +583 422123456 TELEX : +998 123456		WEBSITE : www.jussland.mrcc.js
Associated MRCC or JRCC	MRCC JUSSLAND	
Consultation Languages	Jusslandish and English	
Remarks	The Maritime Search and Rescue Service is under the command of the Jusslander NAVY. Attention is drawn to the International Code of Signals, Medical Section.	

SEA AREA A1

VHF DSC, LIST OF COAST STATIONS FOR SEA AREA A1

Country Station	MMSI	Position	Range (n miles)	Status *(Associated RCCs)*
(1)	(2)	(3)	(4)	(5)
Jussland				
Jussland	005742029	32°31′.50 S 60°54′.07 E	50	Operational *(MRCC Jussland)*
Bonbonkrema MRSC	005742030	32°21′.70 S 60°55′.90 E	50	Operational *(MRCC Jussland)*
Bonbonkrema (ZZZ)	005742031	32°23′.30 S 60°57′.20 E	50	Operational *(MRCC Jussland)*
Remotely controlled stations :				
Chamalow		32°37′.05 S 60°52′.40 E	50	
Caramelmou		32°30′.40 S 60°57′.90 E	50	
Pastilledezan		32°21′.10 S 60°55′.04 E	50	

Updated example - this instance encodes the MF broadcasts from the same station.

```
S123:RadioServiceArea "JS.RDOSVC.03.MF"
  featureName  BONBONKREMA
  callSign  ZZZ
  categoryOfBroadcastCommunication  non-commercial
  !--  RT (MF)
  radiocommunications  Medium Frequency (MF) voice traffic
    categoryOfRadioMethods  Medium Frequency (MF) voice traffic
    frequencyPair  2182000
      frequencyShoreStationTransmits  2182000
      frequencyShoreStationReceives  2182000
    transmissionContent  Telemedical assistance service. Accepts: (1)
    timeIntervalsByDayOfWeek
  radiocommunications  Medium Frequency (MF) voice traffic
    categoryOfRadioMethods  Medium Frequency (MF) voice traffic
    frequencyPair  3180000
      frequencyShoreStationTransmits  3180000
      frequencyShoreStationReceives  2080000
    transmissionContent  Telemedical assistance service. Accepts: (1)
  !--  WT (MF)
  radiocommunications  preferred working
  radiocommunications  Medium Frequency (MF) telegraph traffic
  serviceProvider "#JS.RDOSTA.03"
  theContactDetails "#JS.CONDET.04"
  geometry
    S100:surfaceProperty "#BONBONKREMA.50NM"
```

RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	2200-1000
	3180	2080	

BONBONKREMA (ZZZ) [9999]

32°23'.30 S 60°57'.20 E	MMSI 005742031	DSC VHF : Can 70 DSC MF : 2187,5 kHz DSC HF6 : 6312,0 kHz DSC HF8 : 8414,5 kHz	AMVER		Diagram page 271

☎ +999(0)1 51365017 & 36502642	🖷 +999(0)1 51136501
CALL : Krema Radio	email: mickleradio@jussland.js
Inmarsat C : +583 422123457 Iridium phone : +991 621461635 TELEX : +998 441200 BBKRM	
NOTES : 1. Accepts **Ship's Weather Reports** adressed to CENMETEOKREM. 2. Station accepts AMVER messages. 3. Station accepts JUSSREP messages.	

MARITIME TELEMEDICAL ASSISTANCE SERVICE (TMAS)

Usual name of centre	Jusslandcity Hospital, Jussland City	
Communications	Jussland MRCC : DSC A1 A2 A3 MMSI 005742029 Bonbonkrema MRSC : DSC A1|A2 A3 MMSI 005742030 Bonbonkrema (ZZZ) : DSC A1 A2 A3 MMSI 005742031	
Hospital Landlines :		
☎ +999(0)1 23456755-59		🖷 +999(0)1 23456760
MRCC :		
☎ +999(0)1 23456789		🖷 +999(0)1 23456788
		email: mrcc.jussland@jussland.gov.js
Inmarsat C : +583 422123456 TELEX : +998 123456		WEBSITE : www.jussland.mrcc.js
Associated MRCC or JRCC	MRCC JUSSLAND	
Consultation Languages	Jusslandish and English	
Remarks	The Maritime Search and Rescue Service is under the command of the Jusslander NAVY. Attention is drawn to the International Code of Signals, Medical Section.	

This instance encodes the service area for Bonbonkrema VHF DSC services from the Chamalow station.

```
S123:RadioServiceArea "JS.RDOSVC.03A.VHF"
  featureName  CHAMALOW Service
    name  CHAMALOW Service
  callSign  ZZZ
  categoryOfBroadcastCommunication  non-commercial
  !--  DSC VHF channels
  radiocommunications  Very High Frequency (VHF) Digital Selective Call traffic
    categoryOfRadioMethods  Very High Frequency (VHF) Digital Selective Ca
    communicationChannel  16
    communicationChannel  27
    selectiveCallNumber  9999
    transmissionContent  Telemedical assistance service. Accepts: (1) Ship's
  serviceProvider "#JS.RDOSTA.03A"
  theContactDetails "#JS.CONDET.04"
  geometry
    S100:surfaceProperty "CHAMALOW.50NM"
```

BONBONKREMA (ZZZ) [9999]

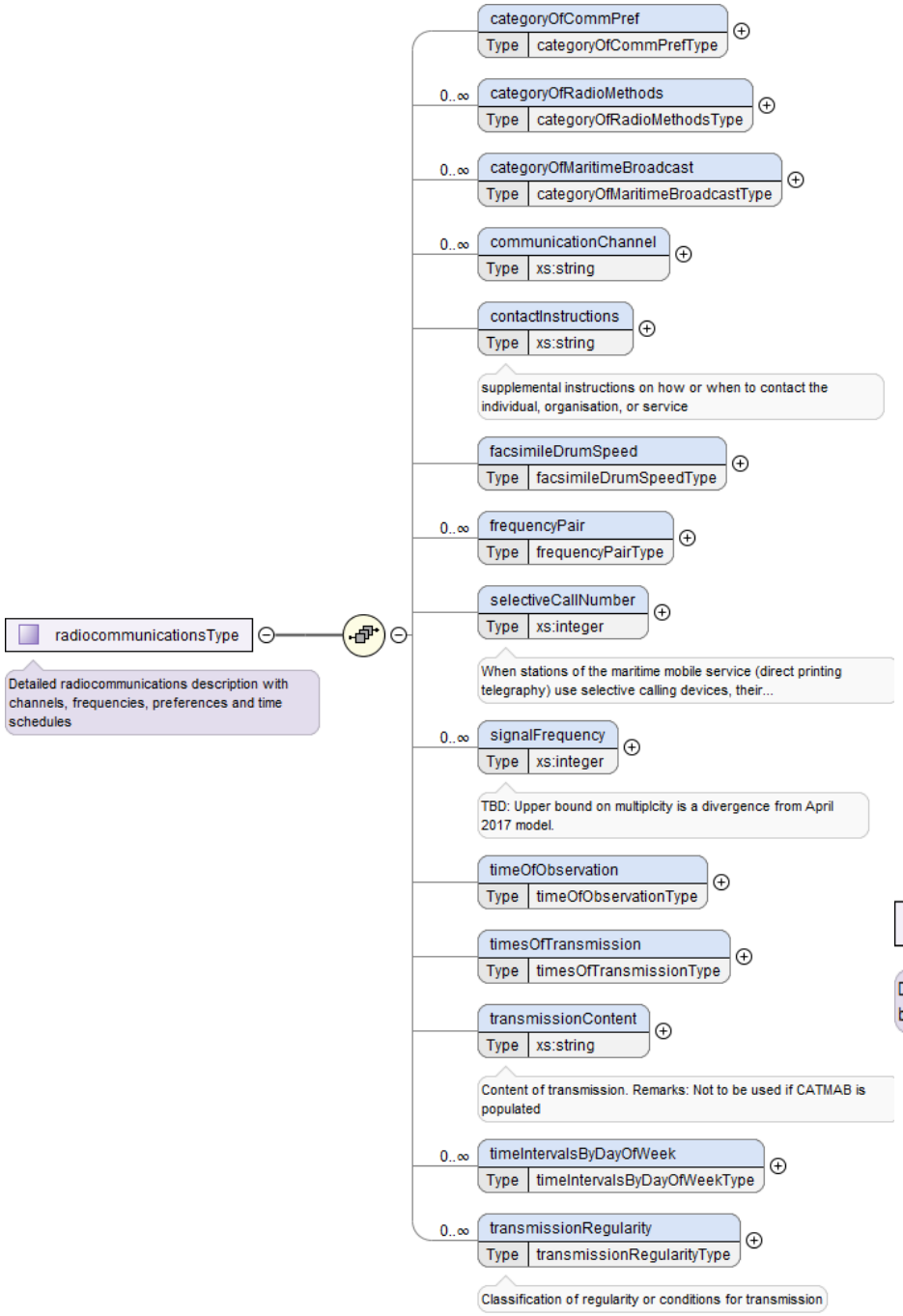
32°23′.30 S 60°57′.20 E	MMSI 005742031	DSC VHF : Can 70 DSC MF : 2187,5 kHz DSC HF6 : 6312,0 kHz DSC HF8 : 8414,5 kHz	AMVER		Diagram page 271
☎ +999(0)1 51365017 & 36502642			🖷 +999(0)1 51136501		
CALL : Krema Radio			email: mickleradio@jussland.js		
Inmarsat C : +583 422123457 Iridium phone : +991 621461635 TELEX : +998 441200 BBKRM					
NOTES : 1. Accepts **Ship's Weather Reports** adressed to CENMETEOKREM. 2. Station accepts AMVER messages. 3. Station accepts JUSSREP messages.					

MARITIME TELEMEDICAL ASSISTANCE SERVICE (TMAS)

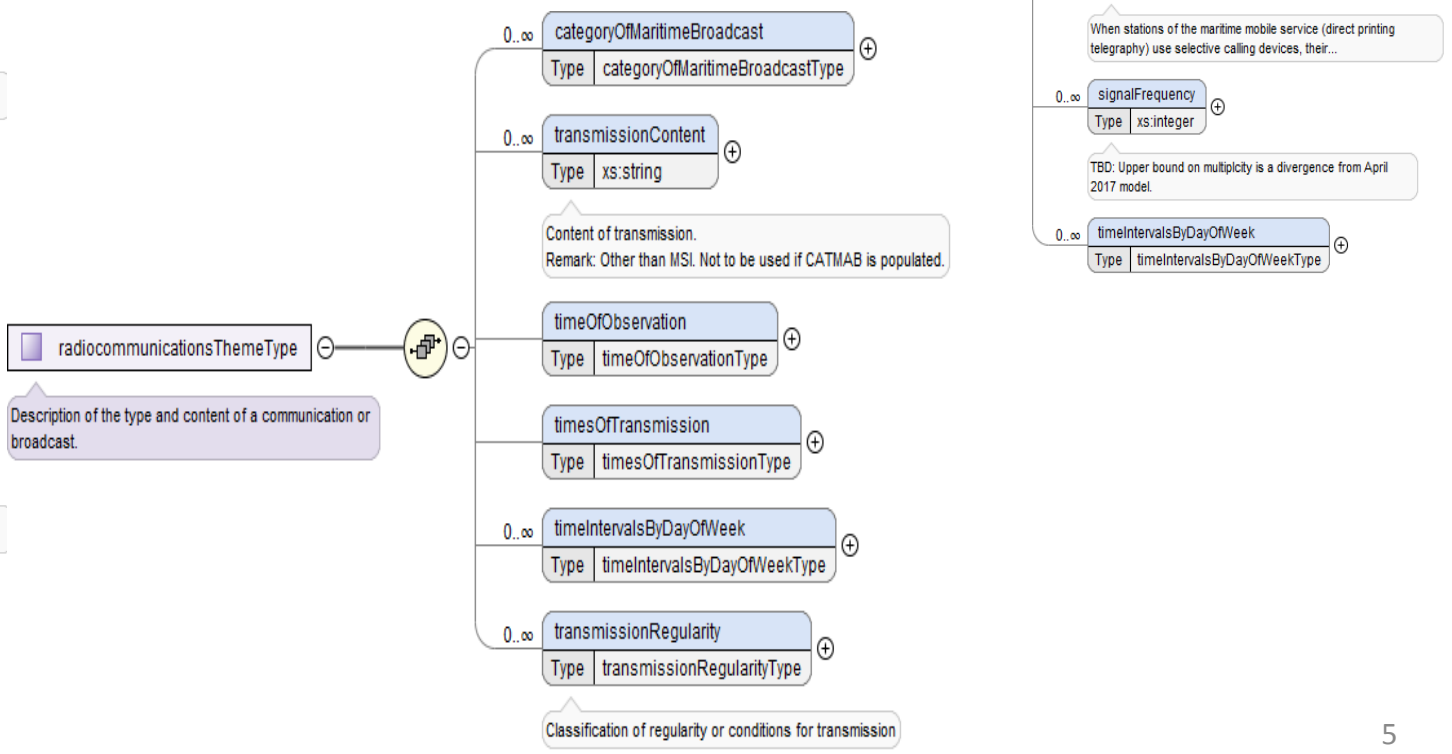
Usual name of centre	Jusslandcity Hospital, Jussland City	
Communications	Jussland MRCC : DSC A1 A2 A3 MMSI 005742029 Bonbonkrema MRSC : DSC A1|A2 A3 MMSI 005742030 Bonbonkrema (ZZZ) : DSC A1 A2 A3 MMSI 005742031	
Hospital Landlines :		
☎ +999(0)1 23456755-59		🖷 +999(0)1 23456760
MRCC :		
☎ +999(0)1 23456789		🖷 +999(0)1 23456788
		email: mrcc.jussland@jussland.gov.js
Inmarsat C : +583 422123456 TELEX : +998 123456		WEBSITE : www.jussland.mrcc.js
Associated MRCC or JRCC	MRCC JUSSLAND	
Consultation Languages	Jusslandish and English	
Remarks	The Maritime Search and Rescue Service is under the command of the Jusslander NAVY. Attention is drawn to the International Code of Signals, Medical Section.	

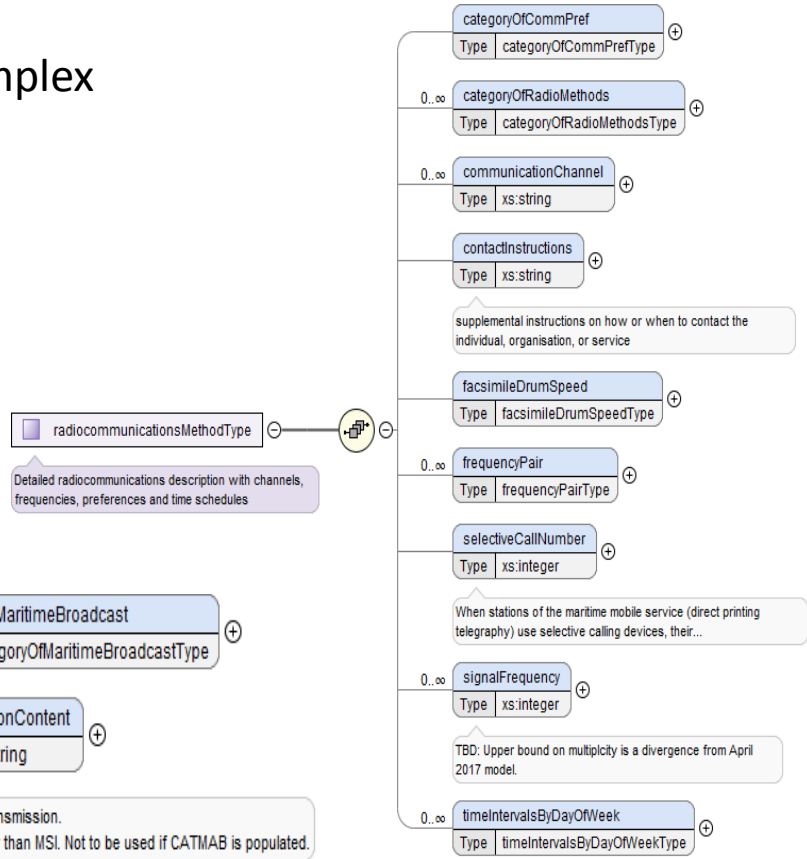
VHF DSC, LIST OF COAST STATIONS FOR SEA AREA A1

Country Station	MMSI	Position	Range (n miles)	Status
(1)	(2)	(3)	(4)	(5)
Jussland				
Jussland	005742029	32°31′.50 S 60°54′.07 E	50	Operat
Bonbonkrema MRSC	005742030	32°21′.70 S 60°55′.90 E	50	Operational *(MRCC Jussland)*
Bonbonkrema (ZZZ)	005742031	32°23′.30 S 60°57′.20 E	50	Operational *(MRCC Jussland)*
Remotely controlled stations :				
Chamalow		32°37′.05 S 60°52′.40 E	50	
Caramelmou		32°30′.40 S 60°57′.90 E	50	
Pastilledezan		32°21′.10 S 60°55′.04 E	50	



Left: original radiocomm. Complex
Top R: radiocomm. method
Lower R: radiocomm. theme





- S123:RadioServiceArea "JS.RDOSVC.03"
  - S100:featureObjectIdentifier JS
  - featureName BONBONKREMA
  - textContent
    - information eng
      - language eng
      - text To do: split by radio method, the service areas would
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - !-- DSC VHF/MF/HF channels
  - radiocommunications Very High Frequency (VHF) Digital Selective Call traffic
    - categoryOfRadioMethods Very High Frequency (VHF) Digital Selective Call t
    - communicationChannel 70
  - radiocommunications Medium Frequency (MF) Digital Selective Call traffic
  - radiocommunications High Frequency (HF) Digital Selective Call traffic
  - radiocommunications High Frequency (HF) Digital Selective Call traffic
  - radiocommunications 9999
  - !-- DSC (Public correspondence)
  - radiocommunications Medium Frequency (MF) Digital Selective Call traffic
  - !-- RT (MF)
  - radiocommunications Medium Frequency (MF) voice traffic
    - categoryOfRadioMethods Medium Frequency (MF) voice traffic
    - frequencyPair 2182000
      - frequencyShoreStationTransmits 2182000

2017 sample dataset

- S123:RadioServiceArea "JS.RDOSVC.03.VHF.MOD"
  - featureName BONBONKREMA
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - !-- DSC VHF channels
  - radioCommunicationsMethod Very High Frequency (VHF) Digital Selective Call traffic
    - categoryOfRadioMethods Very High Frequency (VHF) Digital Selective Call traffic
    - communicationChannel 70
    - selectiveCallNumber 9999
  - radioCommunicationsTheme Telemedical assistance service
    - transmissionContent Telemedical assistance service
    - transmissionContent Accepts Ship's Weather Reports addressed to CENMETEOKREM
    - transmissionContent Accepts AMVER messages
    - transmissionContent Accepts JUSSREP messages
  - serviceProvider "#JS.RDOSTA.03"
  - theContactDetails "#JS.CONDET.04"
  - geometry
    - S100:surfaceProperty "#BONBONKREMA.50NM"
      - S100:Surface "BONBONKREMA.50NM.MOD"
        - gml:patches polygon

Updated example, split by radio method; radicommm. complex split into theme/content.
This instance is the VHF DSC part

```
<radioCommunicationsMethod>
    <categoryOfRadioMethods>Very High Frequency (VHF) Digital Selective Call traffic</categoryOfRadioMethods>
    <communicationChannel>70</communicationChannel>
    <selectiveCallNumber>9999</selectiveCallNumber>
</radioCommunicationsMethod>
<radioCommunicationsTheme>
    <transmissionContent>Telemedical assistance service</transmissionContent>
    <transmissionContent>Accepts Ship's Weather Reports addressed to CENMETEOKREM</transmissionContent>
    <transmissionContent>Accepts AMVER messages</transmissionContent>
    <transmissionContent>Accepts JUSSREP messages</transmissionContent>
</radioCommunicationsTheme>
<serviceProvider xlink:href="#JS.RDOSTA.03" xlink:arcrole="http://www.iho.int/S-123/gml/1.0/roles/serviceProvide
<theContactDetails xlink:href="#JS.CONDET.04" xlink:arcrole="http://www.iho.int/S-123/gml/1.0/roles/theContactDe
```

radicommm. complex not split.

- S123:RadioServiceArea "JS.RDOSVC.03.VHF"
  - featureName BONBONKREMA
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - <!-- DSC VHF channels
  - radiocommunications Very High Frequency (VHF) Digital Selective Call traffic
    - categoryOfRadioMethods Very High Frequency (VHF) Digital Selective Call traffic
    - communicationChannel 70
    - selectiveCallNumber 9999
    - transmissionContent Telemedical assistance service. Accepts: (1) Ship's
  - serviceProvider "#JS.RDOSTA.03"
  - theContactDetails "#JS.CONDET.04"
  - geometry
    - S100:surfaceProperty "#BONBONKREMA.50NM"
      - S100:Surface "BONBONKREMA.50NM"
        - gml:patches polygon

```
<radiocommunications>
  <categoryOfRadioMethods>Very High Frequency (VHF) Digital Selective Call traffic</categoryOfRadioMethods>
  <communicationChannel>70</communicationChannel>
  <selectiveCallNumber>9999</selectiveCallNumber>
  <transmissionContent>Telemedical assistance service. Accepts: (1) Ship's Weather Reports addressed to CENMETEOKREM; (2) AMVER messages; (3) JUSSREP messages</transmissionContent>
</radiocommunications>
```

radicommm. complex split into theme/content.

- S123:RadioServiceArea "JS.RDOSVC.03.VHF.MOD"
  - featureName BONBONKREMA
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - <!-- DSC VHF channels
  - radioCommunicationsMethod Very High Frequency (VHF) Digital Selective Call traffic
    - categoryOfRadioMethods Very High Frequency (VHF) Digital Selective Call traffic
    - communicationChannel 70
    - selectiveCallNumber 9999
  - radioCommunicationsTheme Telemedical assistance service
    - transmissionContent Telemedical assistance service
    - transmissionContent Accepts Ship's Weather Reports addressed to CENMETEOKREM
    - transmissionContent Accepts AMVER messages
    - transmissionContent Accepts JUSSREP messages
  - serviceProvider "#JS.RDOSTA.03"
  - theContactDetails "#JS.CONDET.04"
  - geometry
    - S100:surfaceProperty "#BONBONKREMA.50NM"
      - S100:Surface "BONBONKREMA.50NM.MOD"
        - gml:patches polygon

```
<radioCommunicationsMethod>
    <categoryOfRadioMethods>Very High Frequency (VHF) Digital Selective Call traffic</categoryOfRadioMethods>
    <communicationChannel>70</communicationChannel>
    <selectiveCallNumber>9999</selectiveCallNumber>
</radioCommunicationsMethod>
<radioCommunicationsTheme>
    <transmissionContent>Telemedical assistance service</transmissionContent>
    <transmissionContent>Accepts Ship's Weather Reports addressed to CENMETEOKREM</transmissionContent>
    <transmissionContent>Accepts AMVER messages</transmissionContent>
    <transmissionContent>Accepts JUSSREP messages</transmissionContent>
</radioCommunicationsTheme>
<serviceProvider xlink:href="#JS.RDOSTA.03" xlink:arcrole="http://www.iho.int/S-123/gml/1.0/roles/serviceProvide
<theContactDetails xlink:href="#JS.CONDET.04" xlink:arcrole="http://www.iho.int/S-123/gml/1.0/roles/theContactDe
```

Comparison of original and remodeled radiocomm complex with methods or themes with different time schedules.

- S123:RadioServiceArea "JS.RDOSVC.03.MF"
  - featureName BONBONKREMA
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - !-- RT (MF)
  - radiocommunications Medium Frequency (MF) voice traffic
    - categoryOfRadioMethods Medium Frequency (MF) voice traffic
    - frequencyPair 2182000
      - frequencyShoreStationTransmits 2182000
      - frequencyShoreStationReceives 2182000
    - transmissionContent Telemedical assistance service. Accepts: (1)
    - timeIntervalsByDayOfWeek
  - radiocommunications Medium Frequency (MF) voice traffic
    - categoryOfRadioMethods Medium Frequency (MF) voice traffic
    - frequencyPair 3180000
      - frequencyShoreStationTransmits 3180000
      - frequencyShoreStationReceives 2080000
    - transmissionContent Telemedical assistance service. Accepts: (1)
  - !-- WT (MF)
  - radiocommunications preferred working
  - radiocommunications Medium Frequency (MF) telegraph traffic
  - serviceProvider "#JS.RDOSTA.03"
  - theContactDetails "#JS.CONDET.04"
  - geometry
    - S100:surfaceProperty "#BONBONKREMA.50NM"

- S123:RadioServiceArea "JS.RDOSVC.03.MF.MOD"
  - featureName BONBONKREMA
  - callSign ZZZ
  - categoryOfBroadcastCommunication non-commercial
  - !-- RT (MF)
  - radioCommunicationsMethod Medium Frequency (MF) voice traffic
    - categoryOfRadioMethods Medium Frequency (MF) voice traffic
    - frequencyPair 2182000
    - timeIntervalsByDayOfWeek
  - radioCommunicationsTheme Telemedical assistance service
    - transmissionContent Telemedical assistance service
    - transmissionContent Accepts Ship's Weather Reports addressed to CENI
    - transmissionContent Accepts AMVER messages
    - transmissionContent Accepts JUSSREP messages
  - radioCommunicationsMethod Medium Frequency (MF) voice traffic
    - categoryOfRadioMethods Medium Frequency (MF) voice traffic
    - frequencyPair 3180000
  - radioCommunicationsTheme Telemedical assistance service
    - transmissionContent Telemedical assistance service
    - transmissionContent Accepts Ship's Weather Reports addressed to CENI
    - transmissionContent Accepts AMVER messages
    - transmissionContent Accepts JUSSREP messages

- radioCommunicationsMethod Medium Frequency (MF) telegraph traffic
  - categoryOfRadioMethods Medium Frequency (MF) telegraph traffic
  - frequencyPair 458000
    - frequencyShoreStationTransmits 458000
    - frequencyShoreStationReceives 500000
    - contactInstructions Preferred working frequency 458 kHz
  - timeIntervalsByDayOfWeek
  - radioCommunicationsTheme Traffic lists
    - transmissionContent Traffic lists
  - timesOfTransmission localTime
    - timeReference localTime
    - transmissionTime 00:00:00
    - transmissionTime 04:00:00
    - transmissionTime 08:00:00
    - transmissionTime 12:00:00
    - transmissionTime 23:00:00
- radioCommunicationsTheme Telemedical assistance service
  - transmissionContent Telemedical assistance service
  - transmissionContent Accepts Ship's Weather Reports addressed to CENI
  - transmissionContent Accepts AMVER messages
  - transmissionContent Accepts JUSSREP messages
- serviceProvider "#JS.RDOSTA.03"
- theContactDetails "#JS.CONDET.04"
- geometry
  - S100:surfaceProperty "#BONBONKREMA.150NM"

RT (MF)

	Transmits	Receives	Hours of Watch
	2182	2182	2200-1000
	3180	2080	

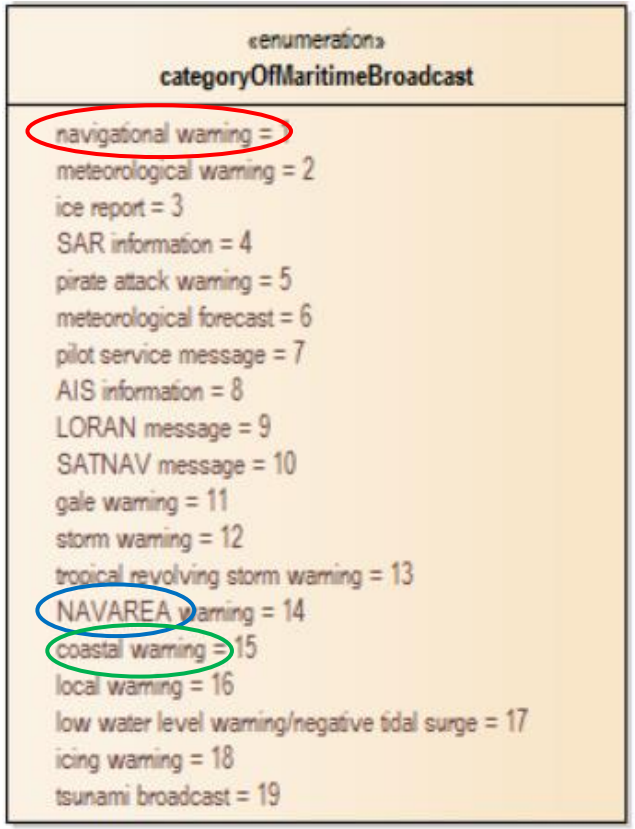
WT (MF)

	Transmits	Receives	Hours of Watch
	458 500	500	2300-1500
TRAFFIC LISTS: 458 kHz: 0000 0400 0800 1200 2300			

Warning types in *categoryOf MaritimeBroadcast* enumeration

NAVTEX			
J	Caramelmou	518 kHz	32°30′.40 S 60°57′.90 E
N	Chamalow		32°37′.05 S 60°52′.40 E
D	Pastilledezan	490 kHz	32°21′.10 S 60°55′.04 E
Weather Bulletins			
J : 0830 2030	Storm warning, synoptic situation and development and forecast valid for 24 hours within 450 n miles of coast.		
J : 0900 2100	Storm warning, weather bulletin.		
N : 1000 2200	Storm warning, synoptic situation and development and forecast valid for 24 hours within 450 n miles of coast.		
N : 1030 2230	High sea forecast. Ice forecast.		
D : 1200 2400	Weather bulletin for coastal water.		
Navigational Warning			
J : 0030 0830 1230 2030	NAVAREA VII and coastal warning.		
J : 0100 0900 1300 2100	Navigational Warning.		
N : 0200 1000 1400 2200	NAVAREA VII and coastal warning.		
N : 0230 1030 1430 2230	Navigational Warning. Ice forecast.		
D : 0400 1200 1600 2400	NAVAREA VII and coastal warning.		
D : 0430 1230 1630 2400	Navigational Warning.		

Test sample from NIPWG



Edition 1.0.0 Model