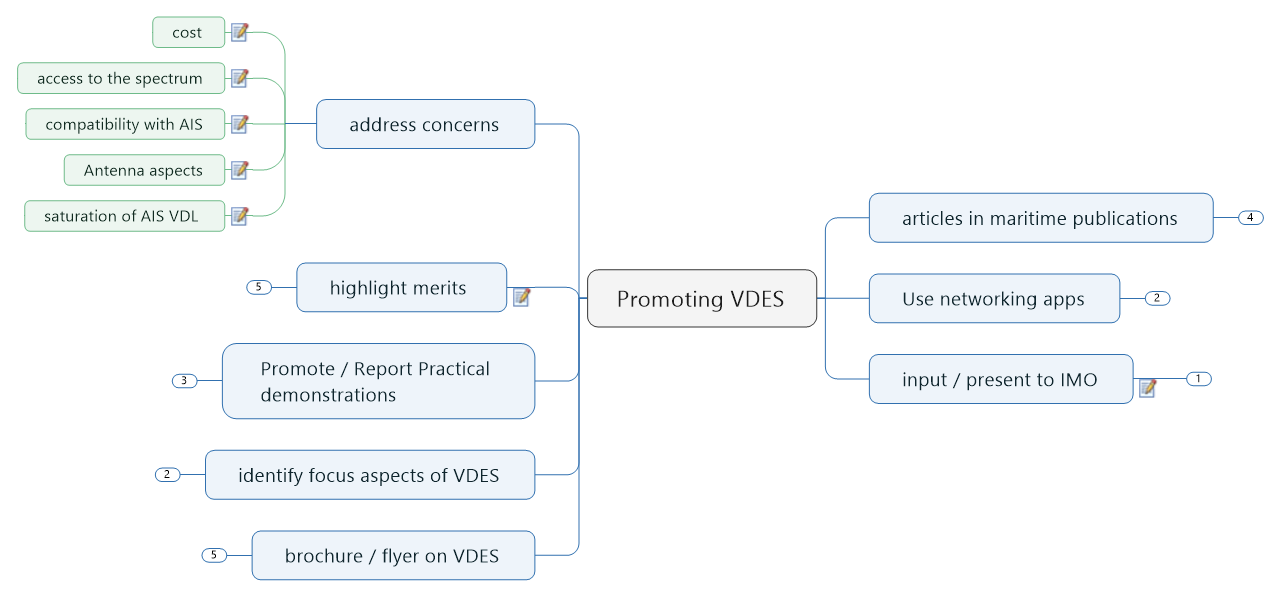
Promoting VDES



1. articles in maritime publications
   1. seaways
   2. Navigation News
   3. Journal of Nav?

* results of research
* Other peer reviewed publications?
* Marine Electronics Journal

1. Use networking apps
   1. Twitter campaign
   2. Linked in articles
2. input / present to IMO

* Possible input from Norsat 2 trials
* Input from IALA / China on the outcomes of the seminar (info paper to MSC 100?)
  1. Copy of past as example
* Provide Lu a copy of past input / paper reference number - JCJ

1. brochure / flyer on VDES
   1. high level overview

* Mariner focus
* not too technical
* easy upgrade from AIS
* Software define radios
* 'tricks'
* benefits for the navigator
* benefits - language independent

* + 1. Mariner
    2. administration
* the ones who hold the money...
  + 1. VTS
* digital information
  1. could be focus on specific aspects

1. identify focus aspects of VDES
   1. R-Mode on VDE
   2. Polar communications
2. Promote / Report Practical demonstrations
   1. Implement in PPU
   2. JRC Video
   3. Sat aspects / reports
3. highlight merits

* Identify predicted use of VDES as a technology (polling results from Ernie)

* 1. data throughput
* be careful - not a huge amount, but more than AIS
* Won't do streaming of vide.
  1. resilient PNT
  2. Moving Traffic off the AIS domain
  3. Security
* Provides a more secure method for navigation related information
* authentication / encryption

* 1. Nav safety in event of emergency
* when mobile networks / cellular networks become crowded, an alternative communications means

1. address concerns
   1. cost

* highight the benefits of VDES vs cost
* link to AIS / base station
* when put the upgrade - future capacity for VDE
  1. access to the spectrum
* highlight the timing that the channels are 'available' according to ITU
* Administration / authority in the country who is responsible for the use of the frequencies (i.e. tellecom authorities)
* Steps to promote the activity, and transition to the use of the frequencies.
* Need to highlight the need to liaise between maritime administration and frequency allocation administration.
  1. compatibility with AIS
* highlight that VDES includes AIS - don't need to 'redo' any existing AIS
  1. Antenna aspects
* technical aspect - focus item for more technical related articles
  1. saturation of AIS VDL
* need to think of how to address AIS VDL aspects / identify in promotional material.