**ASM Design**

Questions to be addressed:

1. Waveforms and related parameters, e.g. PI/4 DQPSK  
   - Bit rate  
   - tx timing, e.g. ramp up/down time, etc.  
   - etc.
2. Transceiver characteristics

* Modulation mask  
  - output power versus time  
  - etc.

1. Access scheme  
   - slot selection algorithm  
   - link entry  
   - RATDMA  
   - ITDMA  
   - FATDMA  
   - CSTDMA  
   - etc.
2. Synchronization  
   - UTC direct  
   - synch to AIS messages (UTC indirect, AIS Base Station, semaphore)  
   - synchronization jitter  
   - etc.
3. Data transfer format  
   - data coding  
   - packet format  
   - Training sequence, Start/End flag  
   - FEC  
   - check sum  
   - buffer  
   - etc.
4. Modes of operation  
   - autonomous  
   - polled  
   - assigned
5. Unique ID  
   - MMSI (9or 10 digits)  
   - MAC address for the station   
   - addressing applications on a higher layer
6. External interfaces and data structure