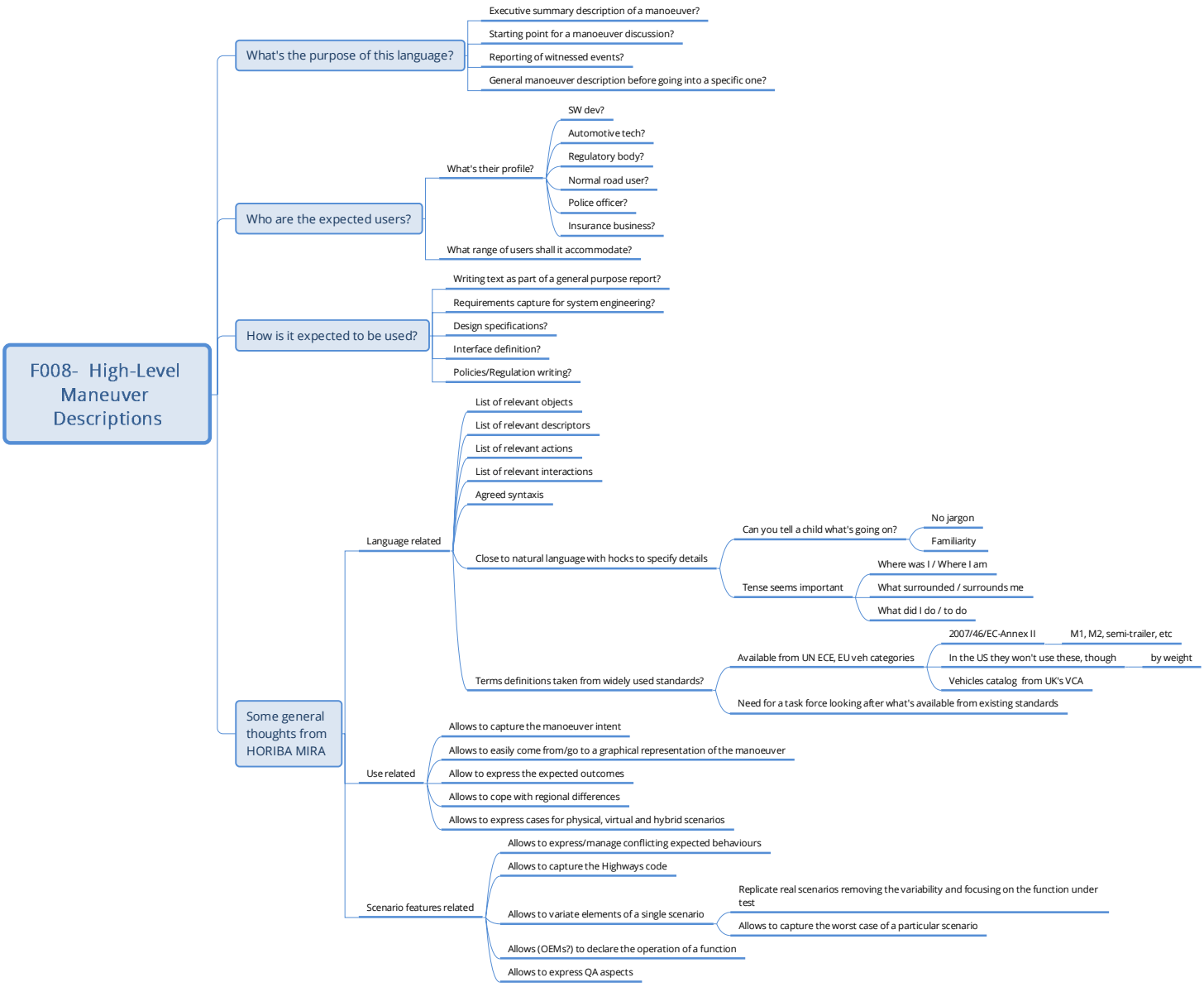
F008- High-Level Maneuver Descriptions
What's the purpose of this language?
Executive summary description of a manoeuver?
Starting point for a manoeuver discussion?
Reporting of witnessed events?
General manoeuver description before going into a specific one?
Who are the expected users?
What's their profile?
SW dev?
Automotive tech?
Regulatory body?
Normal road user?
Police officer?
Insurance business?
What range of users shall it accommodate?
How is it expected to be used?
Writing text as part of a general purpose report?
Requirements capture for system engineering?
Design specifications?
Interface definition?
Policies/Regulation writing?
Some general thoughts from HORIBA MIRA
Language related
List of relevant objects
List of relevant descriptors
List of relevant actions
List of relevant interactions
Agreed syntaxis
Close to natural language with hocks to specify details
Can you tell a child what's going on?
No jargon
Familiarity
Tense seems important
Where was I / Where I am
What surrounded / surrounds me
What did I do / to do
Terms definitions taken from widely used standards?
Available from UN ECE, EU veh categories
2007/46/EC-Annex II
M1, M2, semi-trailer, etc
In the US they won't use these, though
by weight
Vehicles catalog from UK's VCA
Need for a task force looking after what's available from existing standards
Use related
Allows to capture the manoeuver intent
Allows to easily come from/go to a graphical representation of the manoeuver
Allow to express the expected outcomes
Allows to cope with regional differences
Allows to express cases for physical, virtual and hybrid scenarios
Scenario features related
Allows to express/manage conflicting expected behaviours
Allows to capture the Highways code
Allows to variate elements of a single scenario
Replicate real scenarios removing the variability and focusing on the function under test
Allows to capture the worst case of a particular scenario
Allows (OEMs?) to declare the operation of a function
Allows to express QA aspects