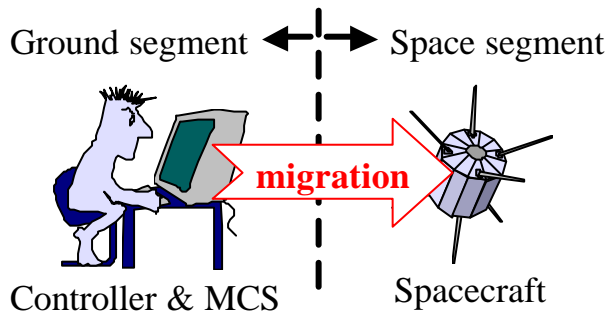


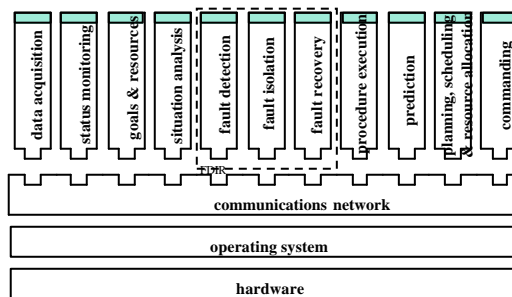
Space Autonomy as Migration of Functionality: The Mars case

Purpose: To present development of Grandjean & Lecouat's insight that spacecraft autonomy can be seen as migration of functionality, applied to Martian exploration

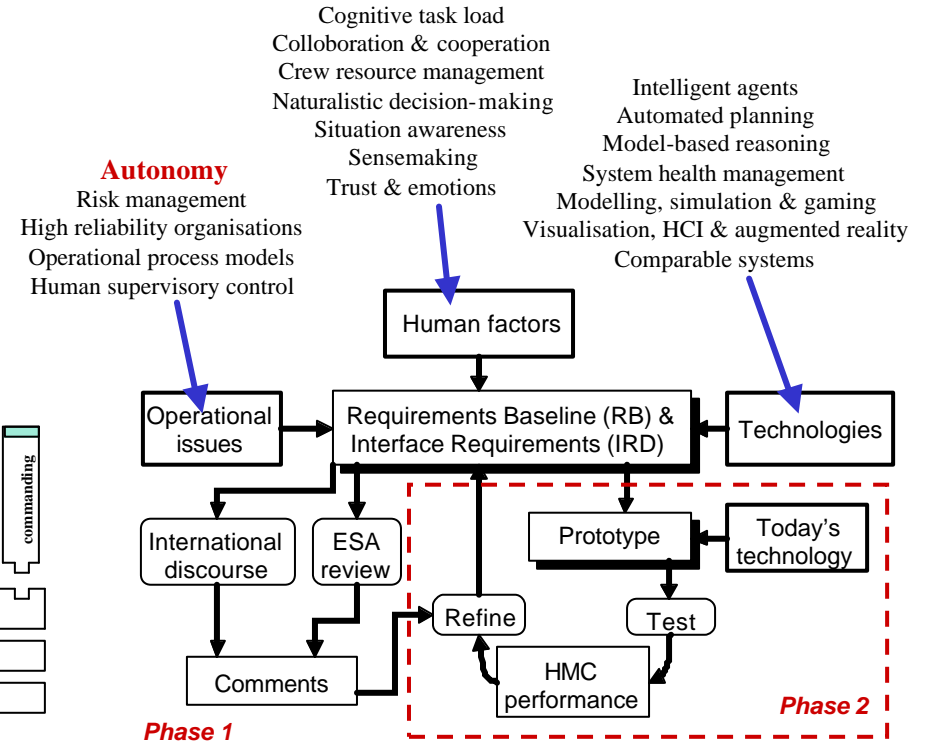
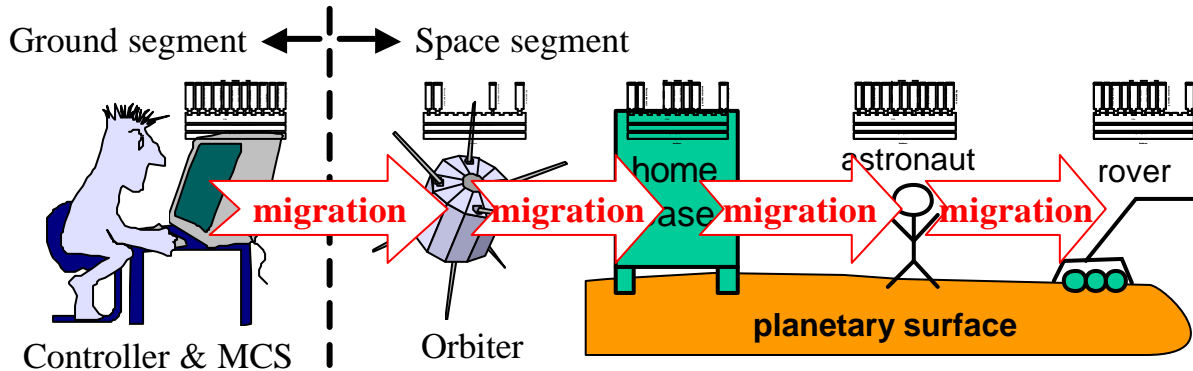
Insight (Grandjean & Lecouat, 2001):



COSPOL (Grant, 2002):



Development and application to Martian exploration:



MECA aim:

To amplify the cognitive capacities of human-machine teams during planetary exploration missions to cope autonomously with unexpected, complex and potentially hazardous situations