Response to point 2.

The emission type D1W is used because the modulation method is 16QAM. This results in a carrier that can have a number of phase angles and amplitudes. This is defined in 2.201 as D "An emission in which the main carrier is amplitude and angle modulated either simultaneously or in a pre-established sequence". An explanation of this is included in the attached file.

The data being sent is a single 68 kbit/s stream of digital data. This is defined in 2.201 as 1 " A single channel containing quantised or digital information without the use of a modulating subcarrier".

The information being transmitted is six telephone circuits and a digital engineering control circuit. This is information type D and type E. Because it is a combination of both types the designator W is used which is defined in 2.201 as a combination of types.

NOTE: If the fact that the information being transmitted is six telephone circuits makes the second symbol a 7 (Two or more channels containing quantised or digital information) then we will accept that the designator should be D7W