AFNOR Comments Accompanying Vote of Approval on the Final Committee Draft ISO/IEC 15437 "Enhancements to LOTOS" (E-LOTOS)

October 1998

AFNOR approves the Final Committee Draft on Enhancements to LOTOS with the following comments:

- (1) MAJOR COMMENT : It is regrettable that FCD 15437 does not support operator overloading, a feature present in all modern computer languages. Due to this lack, it will be impossible to write, e.g., simple arithmetic expressions in E-LOTOS using the usual syntax. AFNOR urges the E-LOTOS Committee to consider this issue, which is crucial for the applicability and success of E-LOTOS.
- (2) MAJOR COMMENT : The existence of run-time type-checking (the "**etc**" type and record subtyping) will make implementation complex and inefficient, for a negligible practical benefit, because similar can be introduced in a much simpler way. In this respect, it is unfortunate that the E-LOTOS Committee has not retained the lessons from LOTOS, not to introduce features in the language that are notoriously difficult to implement.
- (3) TECHNICAL COMMENT : AFNOR suggests to simplify the definition of the generalized parallel operator following the technical proposal enclosed as an appendix.