

Nozay, 12th September 2011

Réf: Vx/LOCCIT/O/11/0113

Subject: LETTER OF SUPPORT FOR PROJECT UBIVERTEX

Dear Sir or Madam,

Virtualisation technologies are the object of intense investigations for the future generations of telecommunication infrastructures. The anticipated advantages of particular interest include; the saving of hardware resources and of energy consumption, enhanced flexibility and scalability for resource allocation, the possibility of having strong partitioning of hardware resources shared between different services for providing stringent quality of services, the opportunity to have more open and programmable infrastructures for users of networks.

However, a number of challenges have to be worked out, such as the capability to have efficient and secure creation of virtual routers and links, the abstraction of associated data structures to hide complexity, the solutions for mapping virtual to physical/logical resource, the dynamic and fair allocation of resources, the orchestration of computing, storage and network resource and the overall manageability of these new approaches for network infrastructure.

Alcatel-Lucent Bell labs France is conducting research in this area and believes that UBIVERTEX project has a great scientific and industrial relevance in this context. It will provide an experimental tool which will be structuring for the research conducted in France on this topic which is highly strategic as dealing with the future approaches of operating infrastructures supporting major services of the digital societies. In particular, the proper assessment of virtualisation approaches in terms of efficiency, dynamicity and scalability are of tremendous importance and UBIVERTEX will provide a tool for this. UBIVERTEX will favour collaborative research between academic and industrial teams on this topic and Alcatel-Lucent Bell Labs France will be able to leverage in particular its common laboratory with INRIA in connection with these research themes.

Yours faithfully,

Jean-Luc BEYLAT



Chairman of Alcatel-Lucent Bell Labs France