

16 September 2016

Mr. Reinhard Budich
On behalf of the ENES HPC Task Force
Max Planck Institute for Meteorology
Strategic IT Partnerships
Room 321
Bundesstr. 53
D-20146 Hamburg
Germany

Dear Mr. Reinhard Budich,

NEC is developing a new and revised vector-system, which is based on a revolutionary concept that will reflect the market requirements for both utmost performance and ease of use at the same time. The HPC-users stemming from the meteorology- and climatology-community are known for their outstanding needs for sustained performance and for the fact that they are spearheading the developments of codes, methods and programming paradigms. So clearly NEC has a high interest to support this community to drive forthcoming developments at the leading edge of HPC.

On this behalf NEC commits to support FORTRAN, the predominant programming language in this field, in the future. The NEC FORTRAN compiler will be continuously developed and further improved to follow updated FORTRAN language standards within a reasonable timeframe after their final release. In rare cases specific details might be omitted in case that they are not applicable to NEC's future products.

To really follow and also influence related developments of language standards and concepts NEC is participating in Information Processing Society of Japan/Information Technology Standards Commission of Japan (IPSI/ITSCJ). IPSI/ITSCJ is an accredited organization of the Japanese Industrial Standards Committee (JISC) and is participating in the standardization activities corresponding to ISO/IEC JTC 1. Regarding programming languages, representatives of NEC are joining WG5 for Fortran and WG21 for C++ in ISO/IEC JTC 1 SC22 (Programming languages, their environments and system software interfaces).

The main objective is to contribute to the development of international and national standards in the field of Information Technology by technically participating in the international activities in ISO/IEC JTC 1, by submitting standards proposal, and by exchanging relevant information to reflect the view of NEC.

The information of IPSI/ITSCJ is available at:
https://www.itscj.ipsj.or.jp/itscj_english/index.html

Sincerely,



Shigeyuki Aiho
Deputy General Manager
IT Platform Division
NEC Corporation