3GPP TSG_CN#6 **NP-99505**
Meeting #6, Nice, France
13th - 15th December 1999

Source: Nortel Networks

Title: Turbo-Charger in Release 00

Agenda item: Turbo-Charger

Document for: Discussion and Decision

At the May 1999 CN#4 meeting, CN1 was tasked to perform a Turbo-Charger feasibility study for R99. Since then, a Turbo-Charger Technical Report 23.913 (NP-99XX) has been reviewed and discussed in several CN1 meetings. It was concluded in CN1 #9 that Turbo-Charger is not feasible for R99 for lack of time, and that CN1 would like more time to study Turbo-Charger as a R00 work item.

TR 23.913 describes Turbo-Charger as a mechanism to reduce the intra and inter-PLMN mobility management costs and to provide automatic load-sharing between available core network resources i.e. the MSC/VLR and/or SGSN. The TR also lists the Advantages, Disadvantages and Open Issues related to the Turbo-Charger concept being proposed for Release 99.

Turbo-Charger may not be feasible for Release 99, but Nortel Networks views Turbo-Charger as an important feature for Release 00. Several of the disadvantages and open issues listed in the TR will no longer exist when Turbo-Charger is applied to the Release 00 architecture currently being defined within S2. Therefore, it is proposed that the feasibility study on Turbo-Charger continue within CN for Release 00.