CLAIMS

1. Method for reducing the signalling load of a General Packet Radio Service, GPRS core network system, the GPRS core network system comprising a first User Entity, UE (2), a first Radio Network Controller, RNC (3), a first Serving GPRS Support Node, SGSN (4), a first core network node (5), the network node being either a Gateway GPRS Support Node, GGSN/Packet Data Network Gateway, PGW or a Serving Gateway, SGW, and a first Internet Protocol, IP network (6), where the first UE (2) is arranged to be in communication with the first RNC (3), where the first RNC (3) is arranged to be in communication with the SGSN (4) for non-3G Direct Tunnel, 3GDT communication of the GPRS core network system or the first core network node (5) for 3GDT communication of the GPRS core network system, where the first SGSN (4) is arranged to be in communication with the first core network node (5), where the first core network node (5) is arranged to be in contact with the first IP network (6), where one or more service requests originates from the first UE (2) to the SGSN (4), **characterized in** that

the number of service requests from the first UE (2) to the SGSN (4) is measured within a predefined measurement interval;

if the number of service requests from the first UE (2) to the SGSN (4) does not exceed a predetermined threshold value within the predefined measurement interval, setting up a 3GDT communication if the configuration of the SGSN (4) allows the setup of a 3GDT communication;

if the number of service requests from the first UE (2) to the SGSN (4) does ~~not~~ exceed the predetermined threshold value within the predefined measurement interval, setting up a non-3GDT communication for the GPRS core network system.

2. Method according to claim 1, wherein the 3GDT communication is released if the PDU transferring is finished.

3. Serving GPRS Support Node, SGSN (4), adapted for reducing the signalling load of a General Packet Radio Service, GPRS, core network system, the GPRS core network system comprising a first User Entity, UE (2), a first Radio Network Controller, RNC (3), the Serving GPRS Support Node, SGSN (4), a first core network node (5), the network node being either a Gateway GPRS Support Node, GGSN / Packet Data Network Gateway, PGW or a Serving Gateway, SGW, and a first Internet Protocol, IP network (6), where the first UE (2) is arranged to be in communication with the first RNC (3), where the first RNC (3) is arranged to be in communication with the SGSN (4) for non-3G Direct Tunnel, 3GDT communication of the GPRS core network system or the first core network node (5) for 3GDT communication of the GPRS core network system, where the first SGSN (4) is arranged to be in communication with the first core network node (5), where the first core network node (5) is arranged to be in contact with the first IP network (6), where one or more service requests originates from the first UE (2) to the SGSN (4), **characterized in** that

the number of service requests from the first UE (2) to the SGSN (4) is measured within a predefined measurement interval;

if the number of service requests from the first UE (2) to the SGSN (4) does not exceed a predetermined threshold value within the predefined measurement interval, setting up a 3GDT communication if the configuration of the SGSN (4) allows the setup of a 3GDT communication;

if the number of service requests from the first UE (2) to the SGSN (4) does not exceed a predetermined threshold value within the predefined measurement interval, setting up a non-3GDT communication for the GPRS core network system.

4. Method according to claim 3, wherein the 3GDT communication is released if the PDU transferring is finished.