

17th Feb 2009**Response to “*Consulta Pública sobre os Direitos de Utilização da Faixa de Frequências 2500-2690 MHz*” from Nokia¹ and Nokia Siemens Networks²**

With reference to the above mentioned consultation Nokia and Nokia Siemens Networks (NSN) welcome the opportunity to give their views on the use of 2.6 GHz frequency band.

Nokia and NSN have the general view that the whole mobile community, including users, operators and vendors, benefit from the harmonized spectrum usage. Harmonized approach guarantees best the timely availability of cost efficient equipment due to the economies of scale. It also brings more choice for customers of device brands/models.

Nokia and NSN consider this 2.6 GHz band as the main extension band for IMT-2000. Due to the propagation characteristics of this relatively high frequency band this band is seen mainly as a capacity band to the IMT-2000 networks. The data traffic in mobile networks is expected to increase significantly in the near future and additional capacity is needed to be able to fulfill the user demand. It is expected that the same type of high bit rate capability, e.g. to facilitate fluent internet usage, needs to be provided in mobile networks that is today available in fixed networks.

The 2.6 GHz band should be used by IMT-2000 technologies including WCDMA/HSPA/LTE and WiMAX. The equipment will be available in line with the time schedules of countries that have already licenced the band for IMT (like Sweden and Norway) and in line with operators' business plans.

Nokia and NSN support the harmonized band plan in ECC/DEC/(05)05 reserving 2x70 MHz for FDD operation and 50 MHz for TDD. This will best ensure the efficient use of spectrum (no additional guard bands or restricted blocks) without additional costs for operators due to e.g. additional filtering at FDD-TDD boundaries.

To facilitate the high capacity network building a minimum of 20 MHz blocks are needed for an operator. Multiples of 5 MHz blocks are supported as long as this 20 MHz continuous block requirement can be supported. The 50 MHz TDD block should be licenced for one operator in order to facilitate full capacity provision.

¹ About Nokia

Nokia is a world leader in mobile communications, driving the growth and sustainability of the broader mobility industry. Nokia connects people to each other and the information that matters to them with easy-to-use and innovative products like mobile phones, devices and solutions for imaging, games, media and businesses. Nokia provides equipment, solutions and services for network operators and corporations.

² About Nokia Siemens Networks

Nokia Siemens Networks is a leading global enabler of communications services. The company provides a complete, well-balanced product portfolio of mobile and fixed network infrastructure solutions and addresses the growing demand for services with 20,000 service professionals worldwide. Nokia Siemens Networks is one of the largest telecommunications infrastructure companies with operations in 150 countries. The company is headquartered in Espoo, Finland. www.nokiasiemensnetworks.com