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### **Current status of the Russian SLR network and plans for the future**

The Russian network of laser stations participating in the ILRS consists of 10 stations: 8 of them are located within the territory of Russia, 1 is in Kazakhstan and 1 is in Brazil. Until the end of 2016, it is planned to launch a new SLR-station located in South Africa, nearby the SLR-station 7501 and VLBI system. Based on planning strategies for object tracking and priorities, SLR-stations are divided into 3 groups. The top priority of the stations located in Komsomolsk, Altai, Arkhyz, Baikonur and Brasilia is GNSS tracking, while the top priority of the stations in Svetloe, Zelenchukskaya and Badary placed at the colocation sites (SLR, VLBI, GNSS, DORIS (Badary)) is geodetic satellite tracking, and the top priority of the Mendeleevo-2 and Irkutsk stations is time transfer. The existing laser stations are supposed to be further improved in the following ways: - measuring accuracy increase through replacement of lasers with the pulse width of 300-400 ps by the new ones featuring the pulse width equal to about 50 ps; - on-site optimization of the software designed for taking daytime measurements. We have developed and are now producing the prototype of the new generation station «Tochka» of millimeter accuracy, which is suggested to be placed at 3 Russian sites of the State frequency-time standard and at 4 foreign GNSS sites of 6 currently being discussed: Mexico (California), Argentina (Falda del Carmen), French Polynesia (Tahiti), Indonesia (Java), Israel and New Zealand.