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| Proposal ON more comprehhensive Training and Operational Guidance for notifying nanosatellites and picosatellites | | |

Recent years have witnessed the fast growth in the satellite industry. In particular, with the increasing maturity of satellite communication technology and satellite manufacturing technology, the development of low-orbit and short-duration Nano-and Pico-satellite industry has experienced an unprecedented booming. In the past, the development cycle of traditional satellites was long and costly. Quite often it was the prerogative of national level entities or some commercial companies with significant market power to develop, launch and operate these satellites. However, in the field of Nano- and Pico-satellites, its development can be rapidly completed by ordinary enterprises or small enterprises due to their flexible launching and payload-carrying configurations. In addition to the rich and diverse application modes of Nano- and Pico-satellites and their inherent advantages, its broad prospect and huge market potential have attracted more and more " new entrants" into this field who neither understand the Radio Regulations nor are familiar with the satellite network filing submission procedures and related application software. The number of such enterprises is likely to grow explosively. How to correctly apply relevant provisions of the Radio Regulations and submit a qualified filing have become a common problem faced by these enterprises.

We have noticed that there already exists a training mechanism in the International Telecommunication Union. Training programmes on radiocommunication have been organized and conducted on regular basis, including the biennial ITU World Radiocommunication Seminar and thematic regional workshops. However, these seminars and workshops rarely target specifically the application of the Radio Regulations in the research, launch and application of Nano- and Pico-satellites.

In view of the above, we propose:

1) that ITU-R pay more attention to the development of Nano- and Pico-satellites while harmonizing and appropriately increasing training on applications and rules of Nano- and Pico-satellites in consultation with the telecommunication development sector;

2) that a handbook on Nano- and Pico-satellites be prepared as soon as possible, either as an update and supplement to the existing ITU Handbook on Satellite Communications, or as a separate handbook.

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