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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 10 October 1990 from the Permanent Representative
of Germany to the United Nations addressed to the Secretary-General

The Permanent Representative of the Federal Republic of Germany to the United Nations presents his compliments to the Secretary-General of the United Nations and, with reference to article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith the required information concerning the launch of the three new German satellites DFS 1, DFS 2 and TV-SAT 2 as well as changes in the data concerning the satellite TV-SAT 1 that were originally communicated by this Mission's note No. 270/88 of 20 June 1988.

1. DFS 1

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|--|---|
| (a) Launching State | Federal Republic of Germany |
| (b) Designator | DFS 1 |
| (c) Date and location of launch | 6 June 1989, Kourou, French Guiana, on an Ariane 4, flight No. 20 |
| (d) Orbit | Geostationary, position 23.5° East |
| (e) General function of the space object | Communications satellite |

2. TV-SAT 2

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| (a) Launching State | Federal Republic of Germany |
| (b) Designator | TV-SAT 2 |

- (c) Date and location of launch 9 August 1989, Kourou, French Guiana, on an Ariane 4, flight No. 33
- (d) Orbit: Geostationary, position 19° West
- (e) General function of the space object Direct broadcasting satellite

3. DFS 2

- (a) Launching State Federal Republic of Germany
- (b) Designator DFS 2
- (c) Date and location of launch 24 July 1990, Kourou, French Guiana, on an Ariane 4, flight No. 37
- (d) Orbit Geostationary, position 28.5° East
- (e) General function of the space object Communications satellite

4. TV-SAT 1

- (a) Launching State Federal Republic of Germany
- (b) Designator TV-SAT 1
- (c) Date and location of launch 21 November 1987, Kourou, French Guiana, on an Ariane 2, flight No. 20
- (d) Orbit Was geostationary, 19° West; current orbital data:

<u>Orbital elements</u>	<u>Present data</u>
Semi-major axis	42 485.605 km
Eccentricity	0.00116
Inclination	0.716°
Argument of perigee	216.66°
Right ascension	76.77°
Mean anomaly	47.086°
Mean drift	-4.071°/day
East longitude	350.617"
Latitude	-0.713°

(e) General function of
the space object

Due to a malfunction of the solar generator,
TV-SAT 1 was taken out of commission and sent to
a so-called parking orbit beyond the
geostationary orbit.
