ANNEX No 1:

Description of data set which will be transmitted from ESTE codes operated by SUJB

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1. Prediction of the release (prognosis of the source term)

Tab. 1. Example of data set transmitted from Prague to Vienna: prognosis of the source term as it is generated by the code *este ETE* or *este EDU*, in [Bq/h]:

time stamp	19:04:00, 13.10.2	003		
estimated time to the release [h]	3.5			
	1.h	2.h	3.h	
Xe 133	5E+14	5E+14	5E+13	
Xe 135	3E+14	2E+14	2E+13	
Xe 135m	2E+14	1E+14=5	1E+13	
Xe 138	8E+13	7E+13 = 6	7E+12	
Kr 85m	1E+14	1E+14=0	1E+13	
Kr 87	3E+14	2E+14=1	2E+13	
Kr 88	3E+14	2E+14=2	2E+13	
I 131	2E+12	1E+12=7	1E+11	
I 132	1E+12	1E+12 = 8	1E+11	
I 133	3E+12	2E+12=9	2E+11	
I 134	4E+12	3E+12= 10	3E+11	
I 135	2E+12	1E+12= 11	1E+11	
Te 132	3E+12	2E+12= 18	2E+11	
Sr 89	5E+10	4E+10= 12	4E+09	
Sr 90	4E+10	3E+10= 13	3E+09	
Sr 91	3E+10	2E+10= 14	2E+09	
Cs 134	8E+11	7E+11= 15	7E+10	
Cs 136	5E+11	4E+11= 16	4E+10	
Cs 137	7E+11	6E+11=17	6E+10	
reserve				
reserve				
reserve				

2. Prognosis of meteorological data

Transmitted data:

- wind direction in degrees,
- wind rate in m/s (in 80 m above the terrain),
- rain intensity in mm/h,
- Pasquill category of stability (A F)

Tab.2. Example of data set transmitted from Prague to Vienna: prognosis of meteorological data for the site Temelin and Dukovany in consecutive hours up to time +12 h:

time stamp	19:04:00,, 13.1	19:04:00,, 13.10.2003	
+ 1h			
wind direction		230	
wind rate		3.2	
rain intensity		0	
category		D	
+ 2h			
wind direction		200	
wind rate		1.8	
rain intensity		0	
category	D		

etc.

.....

etc.

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+ 11h	
wind direction	290
wind rate	5.8
rain intensity	0.3
category	F
+ 12h	
wind direction	270
wind rate	4.8
rain intensity	1.4
category	F

3. Estimated state of the reactor core

Transmitted information on estimated state of the reactor core from the code ESTE:

there are / there are not detected symptoms of the reactor coolant boiling, there are / there are not detected symptoms of the reactor core uncovered, there are / there are not detected symptoms of the core damage.

Tab.3. Example of data set transmitted from Prague to Vienna: information on estimated state of the reactor core

time stamp	19:04:00,, 13.10.200	13
Identification of reactor block = "Reactor No.2"		
coolant boiling		0 (=no)
core uncovered		0
core damage		0

4. Estimated real release (release that has been really observed)

Tab.4. Example of data set transmitted from Prague to Vienna: information on integral release in [Bq] from the beginning of the release up to now:

time stamp	19:04:00, 13.10.2003
total release	3E+14
noble gasses	2E+14
iodines	3E+13
caesiums	3E+13
strontiums	1E+13
tellures	3E+13
time when release > 1E+12 Bq/h was detected first time	18:34:00, 13.10.2003

5. Actual meteorological data in Dukovany and Temelin site

Transmitted data:

- wind direction in degrees,
- wind rate in m/s (in 80 m above the terrain),
- rain intensity in mm/h,
- Pasquill category of stability (A F)

Tab.5. Example of data set transmitted from Prague to Vienna: actual meteorological data for the site Temelin and Dukovany:

time stamp:	19:04:00, 13.10.2003
wind direction	230
wind rate	3.2
rain intensity	0
category	D