APPENDIX 2.2.25. CHARACTERISTICS OF ATMOSPHERIC TRANSPORT AND DISPERSION MODELLING SYSTEM (NUCLEAR)
(Updated on May 2019)

1. ATDM（Atmospheric Transport and Dispersion Modelling）	
Name of ATDM model (Version)	HYSPLIT(4.9 2017)
Horizontal grid spacing and extent	0.25 degree range: global
Number of vertical levels and type of vertical coordinates	30 vertical pressure
Model calculation time step(s) and model output time step(s)	Calculation time step: <5min Output time step: 24h
Information on dry and wet scavenging schemes	Dry deposition: Yes Wet deposition: Yes
Emission	Point source and line source
Isotope	Cs-137, I-131, Sr-90, HTO
Date of implementation	28 April 2019
2. NWP data used for ATDM	
Name of NWP system	GRAPES_GFS
Horizontal resolution (Grid spacing)	25 km range: global
Number of vertical levels and type of vertical coordinates (model top)	Vertical levels: 61 levels Type of vertical coordinates: hybrid vertical coordinates Model top:3 hpa
Forecast length (initial time)	10 days
Update frequency	3 hourly
3. Further information	
URLs for system documentation	http://www.wmc-bj.net
Point of contact	shengli@cma.gov.cn

Note: WMO-NO.485 APPENDIX 2.2.25.