APPENDIX 2.2.2. CHARACTERISTICS OF GLOBAL DETERMINISTIC NUMERICAL WEATHER PREDICTION SYSTEM
(Updated on April 2019)

1. System	
System name (Version)	GRAPES_GFS2.3.1
Date of implementation	4 Mar 2019
2. Configuration	
Horizontal resolution (Grid spacing)	25 km
Vertical resolution (model top)	3 hpa
Forecast length (initial time)	10 days
Coupling to ocean/wave/sea ice models	None
Integration time step	300 seconds
3. Initial conditions	
Data assimilation method	4DVAR
4. Surface boundary conditions	
Treatment of SST	NCEP 1° products
Land surface analysis	None
5. Other details	
Soil scheme	CoLM
Radiation	RRTMG
Large-scale dynamics	Fully compressible, non-hydrostatic, SI-SL, lat-lon grid
Boundary layer parameterization	MRF
Convection parameterization	SAS
Cloud scheme	Prognostic cloud
6. Further information	
Operational contact point	hujk@cma.gov.cn
URLs for system documentation	http://www.wmc-bj.net
URL for list of products	http://www.wmc-bj.net

Note: WMO-NO.485 APPENDIX 2.2.2.