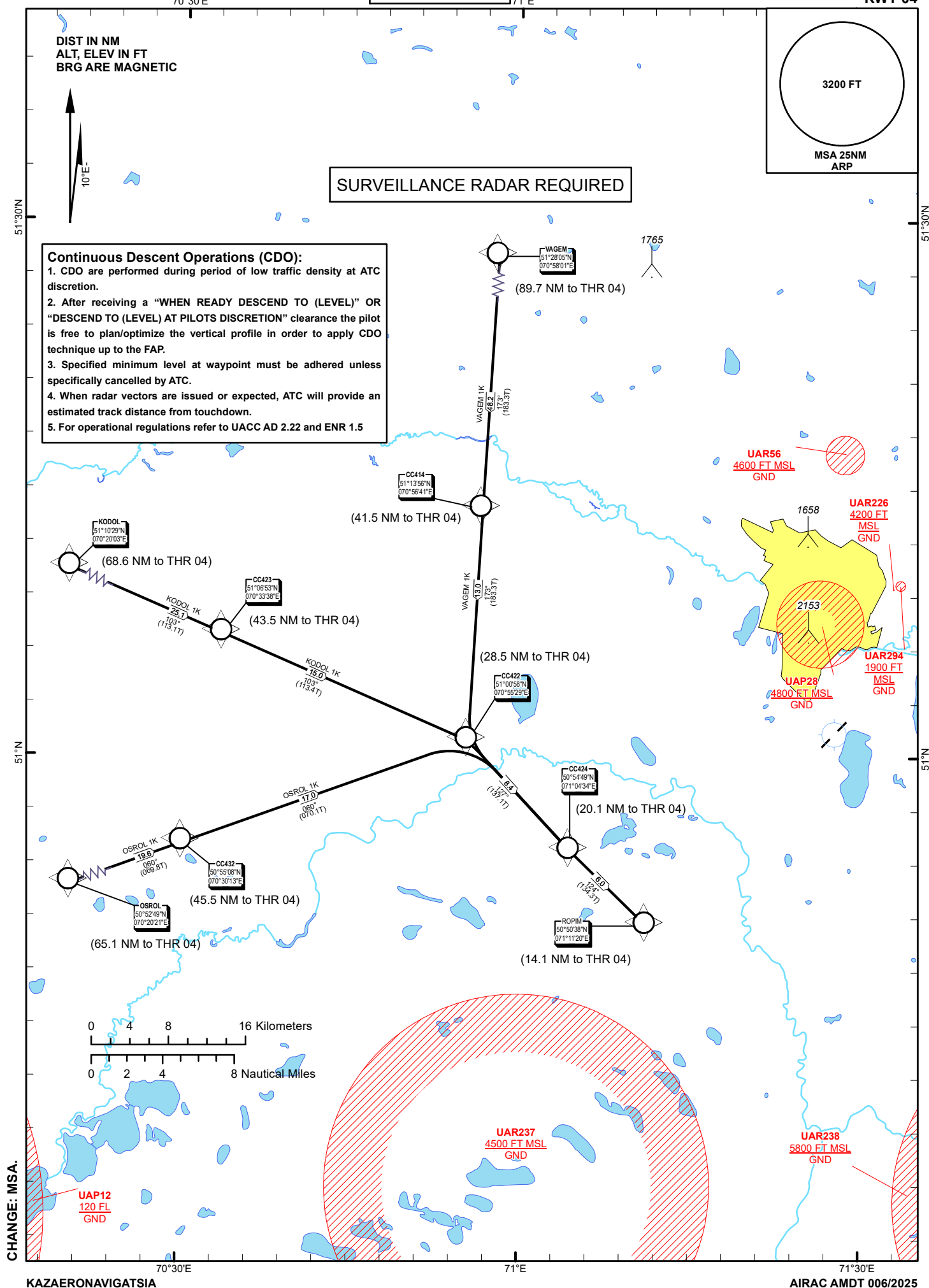


S) **ASTANA  
NURSULTAN NAZARBAYEV  
INTERNATIONAL AIRPORT  
RWY 04**



## TABULAR DESCRIPTION

KODOL 1K											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance NM	Turn Direction	Altitude FT	Speed KT	VPA (°)	Navigation Specification
10	IF	KODOL	-		10	0	-	+FL150/-FL250	-315	-	RNAV1
20	TF	CC423	-	103(113.1)	10	25.1	-	+9900/-FL160	-280	-2	RNAV1
30	TF	CC422	-	103(113.4)	10	15	-	+7700/-11000	-250	-2	RNAV1
40	TF	CC424	-	127(137.1)	10	8.4	R	+5800/-8000	-250	-2	RNAV1
50	TF	ROPIM	-	124(134.3)	10	6	L	+4500/-5900	-230	-2.1	RNAV1

## WAYPOINT LIST

KODOL 1K

Waypoint Identifier	Coordinates	
KODOL	511638.00N	0695651.00E
CC423	510652.79N	0703338.28E
CC422	510057.81N	0705529.01E
CC424	505448.62N	0710433.59E
ROPIM	505037.85N	0711120.41E

## WAYPOINT LIST

OSROL 1K

Waypoint Identifier	Coordinates	
OSROL	504818.00N	0700112.00E
CC432	505508.25N	0703013.46E
CC422	510057.81N	0705529.01E
CC424	505448.62N	0710433.59E
ROPIM	505037.85N	0711120.41E

## TABULAR DESCRIPTION

OSROL 1K											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance NM	Turn Direction	Altitude FT	Speed KT	VPA (°)	Navigation Specification
10	IF	OSROL	-		10	0	-	+FL140/-FL240	-315	-	RNAV1
20	TF	CC432	-	60(69.8)	10	19.6	L	+10000/-FL170	-280	-2	RNAV1
30	TF	CC422	-	60(70.1)	10	17	L	+7700/-11000	-250	-2	RNAV1
40	TF	CC424	-	127(137.1)	10	8.4	R	+5800/-8000	-250	-2	RNAV1
50	TF	ROPIM	-	124(134.3)	10	6	L	+4500/-5900	-230	-2.1	RNAV1

## TABULAR DESCRIPTION

VAGEM 1K											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance NM	Turn Direction	Altitude FT	Speed KT	VPA (°)	Navigation Specification
10	IF	VAGEM	-		10	0	-	+FL200/-FL330	-315	-	RNAV1
20	TF	CC414	-	173(183.3)	10	48.2	R	+9500/-FL160	-280	-2	RNAV1
30	TF	CC422	-	173(183.3)	10	13	R	+7700/-11000	-250	-1.9	RNAV1
40	TF	CC424	-	127(137.1)	10	8.4	L	+5800/-8000	-250	-2	RNAV1
50	TF	ROPIM	-	124(134.3)	10	6	L	+4500/-5900	-230	-2.1	RNAV1

## WAYPOINT LIST

VAGEM 1K

Waypoint Identifier	Coordinates	
VAGEM	520159.00N	0710114.00E
CC414	511355.58N	0705641.01E
CC422	510057.81N	0705529.01E
CC424	505448.62N	0710433.59E
ROPIM	505037.85N	0711120.41E