

ENR 5.3 OTHER ACTIVITIES OF A DANGEROUS NATURE AND OTHER POTENTIAL HAZARDS

1. Other activities of a dangerous nature

Civil Aircraft Training Area (CATA)

<i>Lateral limits coordinates</i>	<i>Vertical limits</i>	<i>Advisory measures</i>	<i>Authority responsible for INFO</i>	<i>Remarks Time for ACT</i>
1	2	3	4	5
CATA 1 ULLEUNG ISLAND 382502N 1301000E - 382400N 1311108E 381400N 1311100E - 374700N 1301000E 382502N 1301000E	FL 420 8 000 ft AMSL			2100-1300 UTC
CATA 2 JEJU ISLAND 340011N 1245953E - 340011N 1254953E - 331512N 1254953E - 331512N 1245953E - 340011N 1245953E	FL 420 6 000 ft AMSL			2100-1300 UTC (by NOTAM)
CATA 3 JEJU ISLAND 332800N 1263900E - 332700N 1265200E - 330800N 1270600E - 330200N 1270000E - 330200N 1264400E - 330500N 1264400E - 330500N 1263000E - 332800N 1263900E	7 000 ft AMSL SFC			2100-1300 UTC
CATA 4A GOCHANG 352511N 1262953E - 352511N 1263953E - 352211N 1263953E - 351011N 1262453E - 351011N 1261453E - 351311N 1261453E 352511N 1262953E	7 000 ft AMSL 1 000 ft AGL			HJ (by NOTAM)
CATA 4B GOCHANG 351011N 1262453E - 352211N 1263953E - 351011N 1263953E - 351011N 1262453E	3 500 ft AMSL 1 000 ft AGL			HJ (by NOTAM)
CATA 5 YEONGGWANG 353011N 1255953E - 353011N 1261953E - 351811N 1261953E - 351811N 1255953E - 353011N 1255953E	7 000 ft AMSL 1 000 ft AGL			HJ (by NOTAM)
CATA 6 JEDONG 331500N 1261800E - 331500N 1263400E - 330500N 1263000E - 330200N 1263000E - 330200N 1261800E - 331500N 1261800E	7 000 ft AMSL 4 000 ft AMSL			2100-1300 UTC
CATA 7L ULJIN 365000N 1292607E - 365000N 1295052E- 363000N 1295052E - 363000N 1292607E- 365000N 1292607E	2 500 ft AGL SFC			H24
CATA 7H ULJIN 365000N 1292607E - 365000N 1295052E- 363000N 1295052E - 363000N 1292607E- 365000N 1292607E	5 000 ft AMSL 2 500 ft AGL			by NOTAM

Change : Information of CATA 2 remarks.

Permanently sited lasers and light beams

Lateral limits coordinates	Vertical limits	Advisory measures	Authority responsible for INFO	Remarks
1	2	3	4	5
Gwangsan Bridge Circle with radius of 15 NM centered on 350845N 1290743E	4 000 ft AMSL SFC	1) Horizontal scan range : BTN 295 DEG and Clockwise 320 DEG Vertical scan range : BTN 0 DEG and 5 DEG 2) Color : Green, Red, Blue 3) Power : 6 W 4) The beam is bright enough to cause a distraction interfering with critical task performance within a vertical distance of 4 000 ft and horizontal distance of 8 NM from laser source.		Daily 1130-1140, 1230-1240, 1330-1340 UTC
Satellite Laser Ranging system operation, at SEJONG 363115.6N 1271810.5E	UNL	Research laser operation using a Satellite Laser Ranging system for determining the precise orbits of satellites passing over SOUTH KOREA. 1) Horizontal scan range : BTN 000 DEG and 360 DEG Vertical scan range : BTN 023 DEG and 087 DEG 2) Satellite Laser Ranging : ND:YAG 3) Wave length : 532 NM 4) Max energy per pulse : 2.85 mJ 5) Max repetition rate(frequency) : 2000 Hz 6) Pulse width : 50 ps @ 532 NM 7) Beam divergence angle : 5 – 200 arcsec 8) The Laser Hazard Reduction System (LHRS) : The installed LHRS provides a means of detecting aircraft before they intersect a transmitted laser beam. Upon detecting an aircraft by the radar, the LHRS provides a signal so that laser beam be blocked to transmit.	KASI (Korea Astronomy and Space Science Institute) Tel : 042-865-2188, 042-865-3235 010-9825-1268	H24
Busan Gyeongnam Lets run Park Circle with radius of 1 NM centered on 350917.70N 1285227.93E	100 ft AMSL SFC	1) Horizontal scan range : BTN 065 DEG and Clockwise 095 DEG Vertical scan range : BTN 0 DEG and Downward 5 DEG 2) Color : Green, Red, Blue 3) Power : 8 W 4) The beam is bright enough to cause a distraction interfering with critical task performance within a vertical distance of 100 ft and horizontal distance of 1 NM from laser source.		Daily 1100-1112, 1200-1212, 1300-1312, 1400-1412 UTC
Satellite Laser Ranging system operation, at GEOCHANG-GUN 353524.5N 1275511.7E	UNL	Research laser(1.2 W/25 W) operation using a Satellite Laser Ranging system for determining the precise orbits of satellites passing over SOUTH KOREA. 1) Horizontal scan range : BTN 000 DEG and 360 DEG Vertical scan range : BTN 023 DEG and 087 DEG 2) Satellite Laser Ranging : ND:YAG 3) Wave length : 532 NM 4) Max energy per pulse : 20 mJ / 2.5 J 5) Max repetition rate(frequency) : 60 Hz / 10 Hz 6) Pulse width : 20 ps / 5000 ps @ 532 NM 7) Beam divergence angle : 5 – 200 arcsec 8) The Laser Hazard Reduction System (LHRS) : The installed LHRS provides a means of detecting aircraft before they intersect a transmitted laser beam. Upon detecting an aircraft by the radar, the LHRS provides a signal so that laser beam be blocked to transmit.	KASI (Korea Astronomy and Space Science Institute) Tel : 070-7703-0309 042-865-3244 010-9825-1268	H24

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1	2	3	4	5
Laser Guide Star System at ILWOL mountain 364820N 1290544E	UNL	Observation satellites in South Korea 1) Horizontal scan range : BTN 000 DEG and 360 DEG Vertical scan range : BTN 030 DEG and 090 DEG 2) Laser output power : 22 W 3) Wave length : 589 NM 4) Laser Beam diameter : 300 mm 5) Laser safety circle with radius of 22 NM from laser site and interface with radar for adjacent aircraft avoidance	DAPA (Defense Acquisition Program Administration)	H24
Korea Gas Corporation at JEJU 332821.4N 1261934.8E	<u>77 ft AMSL</u> SFC	1) Horizontal scan range : BTN 265 DEG and clockwise 290 DEG Vertical scan range : BTN 2.2 DEG and 7.7 DEG 2) Color : Green 3) Power : 16 W 4) Wavelength : 532 NM 5) Laser emitting area a) Vertical distance : 77 ft AMSL b) Horizontal distance : 115 m (0.07 NM)	KOGAS (Korea Gas Corporation) Tel : 064-766-3686 (Day) 064-766-3700 (Night)	Daily 1000-1400 UTC

Change : Establishment of Korea Gas Corporation at JEJU(KOGAS).



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