**INSTRUMENT APPROACH**

**CHART-ICAO**

AERODROME ELEV 1367

HEIGHTS RELATED TO

THR RWY 29 - ELEV 1366

(OCN & MDH RELATED TO AD ELEV)

ULAANBAATAR/ CHINGGIS KHAAN (ZMCK)

LOC Z RWY 29

ACFT CAT A/B, C/D

---

**ELEV, ALT, HGT IN METRES**

DME DIST IN NM

DIST IN KM

BRG ARE MAG

MAG VAR 4°W (2015)

---

**Elev., Alt., Hgt. in Meters**

DME Distance in NM

Distance in KM

BRG Are MAG

MAG Var 4°W (2015)

---

**SERGELN**

LOC: 109.9

CDA: 116 X

SER: 333.8

DP: 333.8

CDA: 39° 38' 33" N

130° 44' 20" E

---

**SENGELN**

LOC: 116.9

CDA: 116 X

SER: 333.8

DP: 333.8

CDA: 47° 39' 41" N

120° 46' 06" E

---

**Note:**

DME (1)

VOR/DMR required (2)

MISSED APPROACH:

Climb on HDG 289° to D4 SER, turn left, HDG 141° to intercept and proceed via RDL-186 SER to CK299 and hold at ALT 2700(1334).

---

**SCALE:** 1:370 000

---

**MISSED APPROACH:**

Climb on HDG 289° to D4 SER, turn left, HDG 141° to intercept and proceed via RDL-186 SER to CK299 and hold at ALT 2700(1334).

---

**Minimum Missed Approach Gradient:** 2.5%

**LOC**

**Circling**

**Ground Speed**

<table>
<thead>
<tr>
<th>Category</th>
<th>MDA(H)</th>
<th>VIS</th>
<th>MDA(H)</th>
<th>VIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOC</td>
<td>FULL</td>
<td>ALS out</td>
<td>FULL</td>
<td>ALS out</td>
</tr>
<tr>
<td>A/B</td>
<td>1600m</td>
<td>2400m</td>
<td>1600(233)</td>
<td>2600m</td>
</tr>
<tr>
<td>C</td>
<td>1500(133)</td>
<td>2200m</td>
<td>1570(383)</td>
<td>5000m</td>
</tr>
<tr>
<td>D</td>
<td>2000m</td>
<td>2800m</td>
<td>1800(433)</td>
<td>5000m</td>
</tr>
</tbody>
</table>

---

**Note:** Circling to SOUTH side of RWY only.

---

**CHANGE:** New chart.