1. IP/BP: "_________"
2. Heading: "______" (Deg Mag, IP/BP to TGT)
   Offset: "______" (LR)
3. Distance: "_______" (IP to TGT in NM for F/W, center of BP to TGT in Meters for R/W)
4. Tgt Elevation: "_________" (Feet MSL)
5. Tgt Description: "_________"
6. Tgt Location: "_________"
   (Include Grid Zone ID)
7. Type Mark: "_________"
   "Laser Code: _______" (If Applicable)
8. Location of Friendlies: "_________"
   (From Target, Cardinal Direction and Distance in Meters)
9. "Egress: L/R Pull"
   (Cardinal/Subcardinal Direction and CP/IP [As Required])

   "Say when ready to copy Remarks"

Remarks (Use as Appropriate):
(Final Attack Headings: _______
(Laser-Target Line): _______
(Threat): _______
   (Description, Card Dir from TGT, Distance in Meters, Type of Suppression)
(Gun-Target Line): _______

   "TOT: _______" OR "Push ASAP"
   "Say when ready for Amplifying Information" : Talk-on big to small

---

**Risk Estimate (Danger Close) Distances for CAS Ordnance**

<table>
<thead>
<tr>
<th>Weapon</th>
<th>Description</th>
<th>Risk Est Dist. (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mk-82</td>
<td>500lb bomb</td>
<td>105 245</td>
</tr>
<tr>
<td>Mk-83</td>
<td>1000lb bomb</td>
<td>120 305</td>
</tr>
<tr>
<td>Mk-84</td>
<td>2000lb bomb</td>
<td>110 315</td>
</tr>
<tr>
<td>Mk-20</td>
<td>Rocket GBU</td>
<td>140 230</td>
</tr>
<tr>
<td>2.75&quot; RKT</td>
<td>300 METER SHOT (RW)</td>
<td>70 140</td>
</tr>
<tr>
<td>5&quot; RKT</td>
<td>Zuni's Var. Warheads</td>
<td>125 290</td>
</tr>
<tr>
<td>HELLFIRE</td>
<td>AGM-114 (AH-1)</td>
<td>50 125</td>
</tr>
<tr>
<td>MAVERICK</td>
<td>AGM-65 (F-18, AV-8)</td>
<td>35 95</td>
</tr>
<tr>
<td>AGM-130</td>
<td>2000 lb, TV Guided</td>
<td>70 220</td>
</tr>
<tr>
<td>Guns</td>
<td>20, 25, 30mm Gatling</td>
<td>50 85</td>
</tr>
<tr>
<td>AC-130</td>
<td>25mm/40mm</td>
<td>35/25 65/75</td>
</tr>
<tr>
<td>GBU-10/24</td>
<td>2000lb LGB</td>
<td>65 165</td>
</tr>
<tr>
<td>GBU-12</td>
<td>500lb LGB</td>
<td>70 250</td>
</tr>
<tr>
<td>GBU-16</td>
<td>1000lb LGB</td>
<td>50 170</td>
</tr>
<tr>
<td>GBU-31</td>
<td>2000lb JDAM</td>
<td>75 195</td>
</tr>
<tr>
<td>GBU-32</td>
<td>1000lb JDAM</td>
<td>70 210</td>
</tr>
<tr>
<td>GBU-38</td>
<td>500lb JDAM</td>
<td>55 185</td>
</tr>
<tr>
<td>GBU-51</td>
<td>500lb LCDB LGB</td>
<td>35 100</td>
</tr>
<tr>
<td>GBU-39</td>
<td>250lb SDB</td>
<td>35 135</td>
</tr>
</tbody>
</table>

Source: MCRRP 3-16.6A, J-FIRE, DEC 2007

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Remember: Plain English works if you need to use it.
**Note:** Only the Portions indicated in blue need to be read to the aircraft.

**Always try to provide an accurate correction from the mark / from lead or dash 2's hits in the following format:**
"From the mark/lead's hits/dash 2's hits, (Direction [Deg Mag]), (Distance [Nearest 10M])."
Ex: "From lead's hits northwest 100° / from the mark south 50°"

† Possible Techniques to Mark your Position: 6 digit Grid or Better Talk-on, Air Panel, Smoke (Do Not Call Color), TRP, Checkpoint, Street Name/Intersection, Building Grid Reference Number, IR Strobe, Chemlight Buzzsaw, IED/FA from Persistent GeoRef etc... Use Multiple Methods Together if Possible. Be Creative! If It Works But It's Not On This List, Use It. Ensure Aircraft Are Briefed On All Friendly Locations In The Area For Fratricide Considerations.

§ Possible Techniques to Mark the Target: 6 digit Grid or Better, Talk-on, M260 smoke, Artillery Mortar smoke, Tracer Fire, Short From a Trp Checkpoint Geographical Reference, Building Grid Reference Number, IR pointer (1LSD, 2PO, 4PO, 2IR, Designator, etc...). Again, Be Creative and use what you have available to you!!!
### JGAR Request

(Submit this to higher or the DASC to get CAS A/C sent to you)

1. **UNIT CALLED:**
   **THIS IS:**
   **REQUEST #:**

2. **PREPLANNED:**
   **IMMEDIATE** (Just tell them "immediate")
   **PRECEDENCE**
   **PRIORITY**

3. **TARGET IS/NUMBER OF:**
   - PERS IN OPEN
   - PERS DUG IN
   - WP/Ns/GR/AT
   - MORTARS/ARTY
   - AAA/ADA
   - RKTs/MISSILE
   - ARMOR
   - VEHICLES
   - BLDGS
   - BRIDGES
   - CHARTS
   - CENTER (CP, COM)
   - AREA
   - ROUTE
   - MOVING N/S/E/W

4. **REMARKS**

5. **TARGET LOCATION IS:**
   **(COORDINATES)**
   **(COORDINATES)**
   **(COORDINATES)**
   **(COORDINATES)**

6. **TARGET TIME/DATE:**
   **WHEN YOU WANT IT HIT**
   **ASAP**
   **NLT**
   **AT**
   **TO**

7. **TARGET LOCATION:**
   **SHEET NO**
   **SERIES**
   **CHART #**

8. **REMARKS**

Yellow highlighted portions indicate the minimum required elements of the JGAR (you can omit the rest). Comments and suggestions appear above in green text.

After you transmit the JGAR, the DASC will read you back your mission data (like an arty MTO) – copy it down in the space below:

- **MSN #**
- **CALLSIGN**
- **TYPE/# OF A/C**
- **ORDNANCE**
- **EST. TOT**

---

### 9 Line CASEVAC Request

(Submit this higher or DASC)

1. **LINE 1: LOCATION OF PICK-UP SITE:** (6 or 8 digit grid)

2. **LINE 2: RADIO FREQUENCY AND CALLSIGN:**

3. **LINE 3: NO. OF PATIENTS:** (By precedence)
   - A: Urgent (1 hr. loss life/limb/eyesight)
   - B: Urgent Surgical (Surg. Intervention)
   - C: Priority
   - D: Routine

4. **LINE 4: SPECIAL EQUIPMENT REQUIRED:**
   - A: None
   - B: Hoist
   - C: Extraction Equipt
   - D: Ventilator

5. **LINE 5: NUMBER OF PATIENTS BY TYPE:**
   - Litter
   - Ambulatory

6. **LINE 6: SECURITY AT PICKUP SITE:**
   - Enzyme troops in area
   - No Enzyme troops
   - Possible ene troops
   - Ene troops in area, armed escort required

7. **LINE 7: METHOD OF MARKING PICKUP SITE:**
   - Panels
   - Pyrotechnics
   - Smoke
   - None
   - Other

8. **LINE 8: PATIENT NATIONALITY/STATUS:**
   - US Military
   - US Civilian
   - Non-US Military
   - Non-US Civilian

9. **LINE 9: CBR contamination:**
   - Nuclear/radiological
   - Biological
   - Chemical
   - None

**Remarks:** (ZAP #s or: Name, rank, SSN, nature of injuries, amplifying info)

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### Helicopter Landing Zone Brief

1. **CURRENT LOCATION**
   (Geo. feature, ckpt, grid, road/intersection, etc.)

2. **MARKED BY**
   _____ FAR, _____ NEAR
   (Airpanel, buzzsaw, chem lights, ir strobe, smoke, talk-on)

3. **WINDS**
   (Blowing from nearest sub-cardinal direction and estimate speed in knots)

4. **LZ Size**
   _____ by _____ Meters
   (Include composition, flat or sloped)

5. **HAZARDS**
   (Powerlines, brownout conditions, landmines, fighting holes, stakes etc.)

6. **ENEMY SITUATION**
   (Dir, dis, type from LZ)

7. **FRIENDLY SITUATION**
   (Dir, dis from LZ)

8. **STANDING BY TO MARK LZ**

<table>
<thead>
<tr>
<th>Type</th>
<th>LZ Size (LxW)</th>
<th>Other Cons.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH-53</td>
<td>200'x300'</td>
<td>Large rotor wash</td>
</tr>
<tr>
<td>CH-46</td>
<td>100'x100'</td>
<td>Capable of semi-rough terrain landing</td>
</tr>
<tr>
<td>UN-60</td>
<td>100'x100'</td>
<td>Unmarked</td>
</tr>
<tr>
<td>UN-1H</td>
<td>150'x100'</td>
<td>Variety of M/LAM</td>
</tr>
<tr>
<td>AM-1W</td>
<td>150'x150'</td>
<td>Narrow skid reg. flat, smooth surf.</td>
</tr>
</tbody>
</table>

**LZ MARKING GAUGE:**

- **WIND**
- **LANDING DIRECTION**
- **NATO T**

*Use well secured air panels (day), chem sticks (night) with signal mirror (day), ir buzz saw (night) for LZ ID and marking

**Misc:**

Aircraft emergency freq (guard): 243.0 (UHF)

All U.S. military aircraft continually monitor this freq. Even if you have no aircraft to contact you, you may be able to contact one for emergency CAS/CASEVAC support.