ASIA/PACIFIC PLANNING CHECKLIST FOR BALLISTIC LAUNCH AND SPACE RE-ENTRY

A.1 Launch Facilities:
- Generally ballistic launches take place from pre-defined locations. This should enable analysis and pre planning of contingency options that can be activated when a launch is notified.
- Launch locations (whether mobile or static) should be positioned away from busy air traffic areas.

A.2 Pre Launch Planning:
- Launch details should be published at least **two working weeks’** notice; if possible, and include:
  - Extent and coordinates of proposed danger Zone
  - Ensure planning and notification is in place for any re-entry/debris possibility
  - Tentative launch window (timing and dates)

To all affected FIRs and respective ICAO regional office.

- Ideally the Launch State should have at least one conference call with affected FIR operational management to:
  - discuss impact and options for alternative dates/times that minimise operational impact
  - identify contingency routing if possible
  - coordinate NOTAM action
  - Discuss any possible re-entry issues and impact
  - Liaison with affected airspace Users
  - Notify and agree process for actual activation and cancellation of any restrictions

A.3 Tactical Launch Co-ordination process:
- Actual Launch “Window” published with ideally **three days’ notice**; but not less than 24hrs
- Launch State to ensure ongoing collaborative information sharing with points of contact in affected FIRs:
  - Real Activation Time Window: As the countdown begins / at least four hours prior;
  - Facilitating launch with minimal impact on civil air traffic: Launch authorities to clearly convey estimated normalcy time e.g. flights beyond XX:XX (time in UTC) can expect normal routings, but can be advised to carry fuel for the alternate routings (to be on safer side),
  - Notify Lift off: As soon as the Rocket gets airborne and
  - Notify End of activity through NOTAMC: coordinate and ensure immediate withdrawal of NOTAMs by all affected FIRs

A.4 Launch Cancellations:
- Cancellations of launch at any point of time needs to be disseminated as soon as possible to all affected FIRs.
- Ongoing information sharing should take place until the ‘all clear’ is given.
ROCKET LAUNCH/SPACE RE-ENTRY ACTIVITY MANAGEMENT

PLANNING CHECK LIST

- Launch required by:
- Proposed Temporary Danger Area:
- Proposed launch Reservation window:
  - Date: DD/MM/YYYY to DD/MM/YYYY  Time: XX:XX to YY:YY UTC
- Proposed Definitive launch window:
  - Date: DD/MM/YYYY to DD/MM/YYYY  Time: XX:XX to YY:YY UTC
- Expected exact date of launch: DD/MM/YYYY

<table>
<thead>
<tr>
<th>Affected FIR</th>
<th>Affected AWYs</th>
<th>Affected Flights in requested Time window</th>
<th>Option 1: Suggested revised time and date</th>
<th>Option 1: Affected flights in revised time and date</th>
<th>Option 2: Suggested revised time and date</th>
<th>Option 2: Affected flights in revised time and date</th>
</tr>
</thead>
</table>

Pre-Launch Conference Call agenda:

- Notify latest Launch details and logistics
- Identify contingency routing:
- Identify SUA, FUA options to improve ATM during launch:
- Coordinate NOTAM action among all affected FIRs:
- Discuss any possible re-entry issues and impact:
- Notify process for actual activation and cancellation of any restrictions: (AFTN/NOTAM/NOTAMC/email, Telephone Call),
- Any other business

Identify Points of Contact (POC) for airspace reservation co-ordination,

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<tr>
<th>Affected FIR</th>
<th>POC (Name, Designation)</th>
<th>Tel, Mob, AFTN</th>
<th>Email</th>
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