



### **Communications Guidelines**

3<sup>rd</sup> SMPAG Steering Committee Meeting 10 November 2015 National Harbor

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# Making Progress . . .



- IAWN communication workshop in Sept 2014
- Recommended basic, standardized and non-sensational communication for objects of interest (close approach, low impact probability, scientifically observable flyby, etc);
  - Develop 5-year-plan: near- & mid-term actions
  - Full-time communications officer
  - Sponsor briefings/workshops for reporters to improve NEO education
  - IAWN should develop and employ a new, non-probabilistic scale for characterizing asteroid impact hazards and impact effects.
  - IAWN should create a website ASAP; an IAWN member organization should register the URL www.iawn.int immediately.
  - IAWN should employ a full-time Webmaster to create and maintain its website.
- Next IAWN Steering Committee Meeting planned for Feb 2016 in Vienna. To focus on items in red above and address progress.



### Making Progress . . .



- Workshop held at Ames Research Ctr (7-9 Jul 2015) on PHAs that examined:
  - 1) characterization,
  - 2) atmospheric entry,
  - 3) risk assessment
- Purpose: the follow-on efforts is to advance our understanding of asteroid atmospheric entry/ breakup; provide risk assessments of surface impact (land and water/tsunami); and characterization of PHA pre-entry properties [and, inform decision makers to determine mitigation steps]
- Discussed the criteria and thresholds at IAWN meeting on 8 Nov 2015



#### **Thresholds & Criteria**



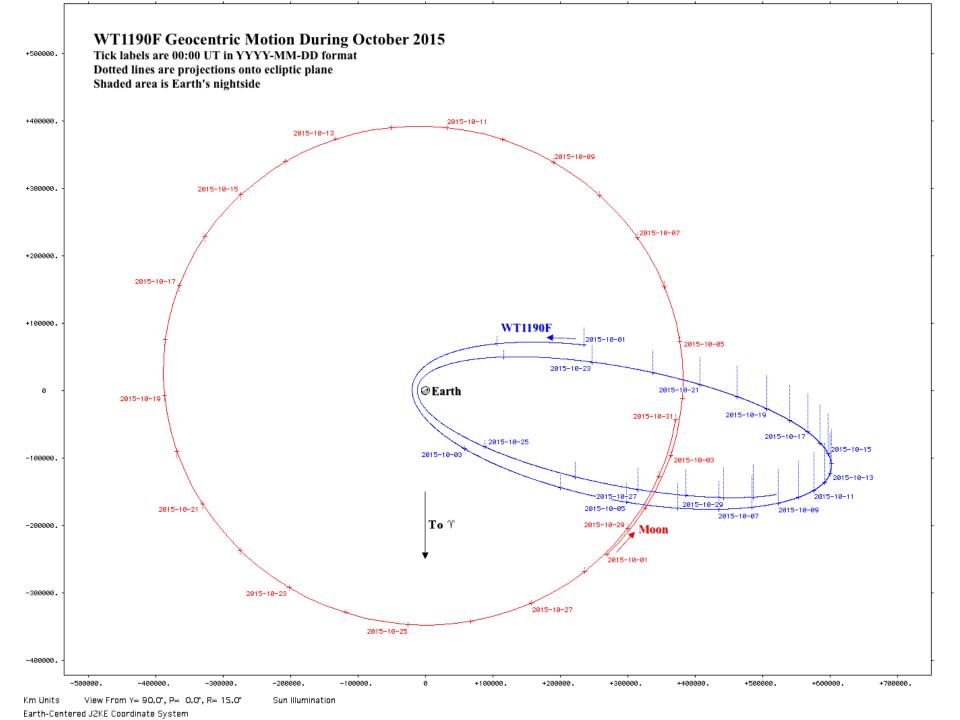
- Different thresholds & levels of criteria
  - Level 1
  - Level 2
  - Level 3
- Decision criteria
  - What level to generate a warning?
  - 1% probability? 50-year "head's up"?
- Damage levels (i.e., will destroy wooden structures within x km, brick structures destroyed within y km, etc.)
- Broomfield scale should we use it?
- General language and terminology (i.e., albedo, composition, distance from the Earth – center vs. surface, etc.)



# **Backup/Additional**



WT1109F ... may be an example of communications, threshold, criteria, etc.



## WT1190F Approach to Entry

