**Presentation Cases for Program Review**

| **#** | **Case** | **Target** | **ID** | **Mass** | **SSN** | **Loc.** | **Ort.** | **Slice** | **Picture** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Bulk with bad streaks caused by metal | Breast milk bag 10% Saline | 6012 | 285 | 13 | bbb | z | 105 |  |  |
| 2 | Bulk with bad shading caused by beam hardening and scatter | clay | 6051 | 286 | 13 | abb | z | 128 |  |  |
| 3 | Bulk inside electronics | clay | 6150 | 290 | 35 | aab | z | 49 |  |  |
| 4 | Bulk with texture | clay w/ glass beads | 6193 | 309 | 193 | bbc | x | 198 |  |  |
| 5 | Bulk with density close to water (~5% saline) | 5% saline – tin bottle | 6163 | 274 | 63 | baa | x | 45 |  |  |
| 6 | Sheet with bad streaks caused by metal, beam hardening and scatter | Rubber sheet 6.6 mm | 6018 | 685 | 13 | bcb | z | 111 |  |  |
| 7 | Sheet laying on top of another flat object | 3/8 rubber sheet on Elle magazine | 6144 | 345 | 33 | bca | x | 46 |  |  |
| 8 | Object with lots of photon starvation | rubber sheet 10 mm | 6019 | 1050 | 11 | bbb | z | 94 |  |  |
| 9 | PT sheet based on thickness | Neoprene rubber sheet 3.2 mm | 8026 | 350 | 18 | bab | z | 125 |  |  |
| 10 | PT Powder (based on density, not mass) | TA\_MH01 plastic bottle + powder | 6026 | 277 | 12 | cca | x | 105 | C:\Users\carl\Desktop\case 2.PNG | Not required to detect this object. But interesting to know what happens with this object. |

*Notation*

1. # - case #
2. Case – purpose of example
3. Target – description of target
4. ID – target number
5. Mass – mass of target
6. SSN – scan ID
7. Loc – location code for target when packed
8. Ort – orientation code for target when packed
9. Slice – number of representative (image) shown in “Picture” column
10. Picture – CT slice for slice number show in “Slice” column
11. Notes – comments/notes about case

*Presentation Comments*

1. Discuss all ten cases
2. Put case number and “case” in title
3. Include “Picture”.
4. Say if detected or not
5. If detected:
   1. How the algorithm was designed to handle this case
6. If not detected
   1. Why wasn’t it detected?
   2. Show label image for “slice”
   3. Show mass, recall, precision
   4. What could be done to detect the target?
   5. What would be the impact on PFA?