

Legend

- **Equipment** – The make and model of the device(s) whose function is being demonstrated
- **Test Site** – provide a unique reference code to the attached diagram (unique select three letters that will be unique to your company insert hyphen then 6 digit date insert hyphen then a unique letter for that test example ABC-051607-A)
- **Comm Type** – what type of communications used between the reader and the surface
- **Distance to reader or coverage area to surface communication** – provide the distance between the reader or coverage area (in the case of wifi coverage cloud) and the surface
- **Height** – what is the height of the entry or crosscut noting
- **Width** – what is the width of the entry or crosscut
- **Scenario** – relevant demonstration scenario number from list below (if not one of the standardized scenarios a description is required) (not all may be relevant to all technologies)
- **Notes** – any thing you feel are relevant for understanding
- **Number pf Amps/Nodes to Surface Comm-Center** – provide the number of powered components required between the device reading the tag and signal tracking device and the surface

Process Notes:

Miner-to-reader testing is to be done with the tag on miners situated in realistic scenarios not with loose tags

1. **An entry or crosscut with an axis that allows for uninterrupted line-of-sight**
2. **An entry or crosscut with an axis that has a curvature which precludes line-of-sight**
3. **An entry or crosscut with an axis that contains a belt noting belt width & placement**
4. **An entry or crosscut with an axis that contains a metal overcast**
5. **An entry or crosscut with an axis that contains a wire-mesh roof**
6. **An entry or crosscut with an axis that is blocked by stopping noting type**
7. **An entry or crosscut with an axis that has a power line parallel to path of transmission**
8. **The effectiveness to transverse one or more coal pillars**