



# SMART

Surface Mining Association  
for Research & Technology

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*OEM OTM Technology Standards  
Mining Industry Summit*

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## Session Summary

***Ed Desjardin***

Barrick Gold

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# To Recap....

- Overarching Themes
- Common Ground
- Gaps

# Overarching Themes/Positions

## Operator Perspective:

- Want access to low level and appropriate data
  - Downstream applications applied at Operator's discretion
- Hardware agnostic (COTS) – Plug & Play
- Common/Open protocols that facilitate integration and the co-existence of a variety of Applications on a variety of equipment
  - Concern about moving targets with OEM devices
- Minimum footprint in equipment
- Technology Independence (including communications backbones)
- Tired of continually having to reinvent/develop for each new solution that becomes available
  - Need an overall Global resolution

## OEM/OTM Perspective:

- Concern over complete data ownership by operators
  - Some data could compromise competitive positions
  - Reverse engineering worries
  - Prefer provision of selective data that distinguishes between Proprietary and non-Proprietary
- Concern that independently deployed communications systems and hardware will not perform (at OEM's expense)
- Co-existence with competition can/will be difficult
- Appear to support notion of Open Standards – but have worries about mechanisms to establish
- Drive should come from Operators
  - Can agreements be reached?
  - How can this be collectively managed

# Common Ground

- Recognition that integration of solutions is both required and of benefit
- Ground rules in the form of standards should make life easier and less expensive
- Governance on any standards is required
  - SMART may or may not be the right organization for this – could be SAE, ISO, IEEE, IREDES
- 100% of data not necessarily required
  - Definition of subsets by equipment type and application (ie: health, optimisation, etc) as appropriate

# Gaps...

- No Major Gaps