

Spotlight: EMMMv Industry Forum

Exploration, Mining, Metals and Minerals vertical

“From the boardroom to the rock face”

<http://opengroup.co.za/tog/emmmv>



Johan Schoeman

EMMMv Overview

The *Exploration, Mining, Metals and Minerals Vertical* (EMMMv) functions to realize sustainable business value through collaboration around a common operating model, and to support vendors in their delivery of technical and business solutions. Its outputs are common reference deliverables such as mining process and information models.

Exploration, Mining, Metals and Minerals vertical (EMMMv)

Global EMMMv Members:

- Ajilon Australia
- Datamine
- Fortescue Metals Group
- Gijima Mining Solutions International (GMSI)
- Lonmin Platinum
- Real IRM
- Rio Tinto



Exploration and Mining Business Reference Model

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Discover: The process by which an exploration target and/or a mineral resource is articulated and defined for acquisition purposes. The process includes: evaluation of grade and tonnes, pre-feasibility phase, examining the production options and acquisition of the necessary rights.

At a strategic level the exploration strategy and associated activities to find new deposits; tactical focuses on the evaluation of existing mineral deposits and operational the day to day enhancement of the level of confidence in the geological model.

Establish: All the activities necessary to create a mining environment. (The full infrastructure)

At a Strategic level: Creating the mine, beneficiation plant, environment, supporting facilities & communities plus financing. At a Tactical level: Ensuring mid-term continuity & viability of the mining operation. Typically funded by capital expenditure e.g. sinking a new shaft, planning and building of extensions to an existing mine. At an operational level: The creation of further access to the ore body with all the associated supporting engineering infrastructure. Funded by operational fund (oper).

Exploit: For a given mine type, rock type and mining method, this process includes the breaking and removal of 'rock'. Rock is a generic term to describe all types of mineral resource host material. It also includes the transport of the broken rock and waste from working place to plant and/or stockpile.

Beneficiate: The Beneficiate process focuses on the processing of ores for the purpose of:

- Regulating the size of a desired product, removing unwanted constituents, and improving the quality, purity, or assay grade of a desired product.
- Concentration or other preparation of ores for smelting by for example drying, flotation, or magnetic separation and improvement of the grade of ores by milling, flotation, sintering, gravity concentration, or other processes.

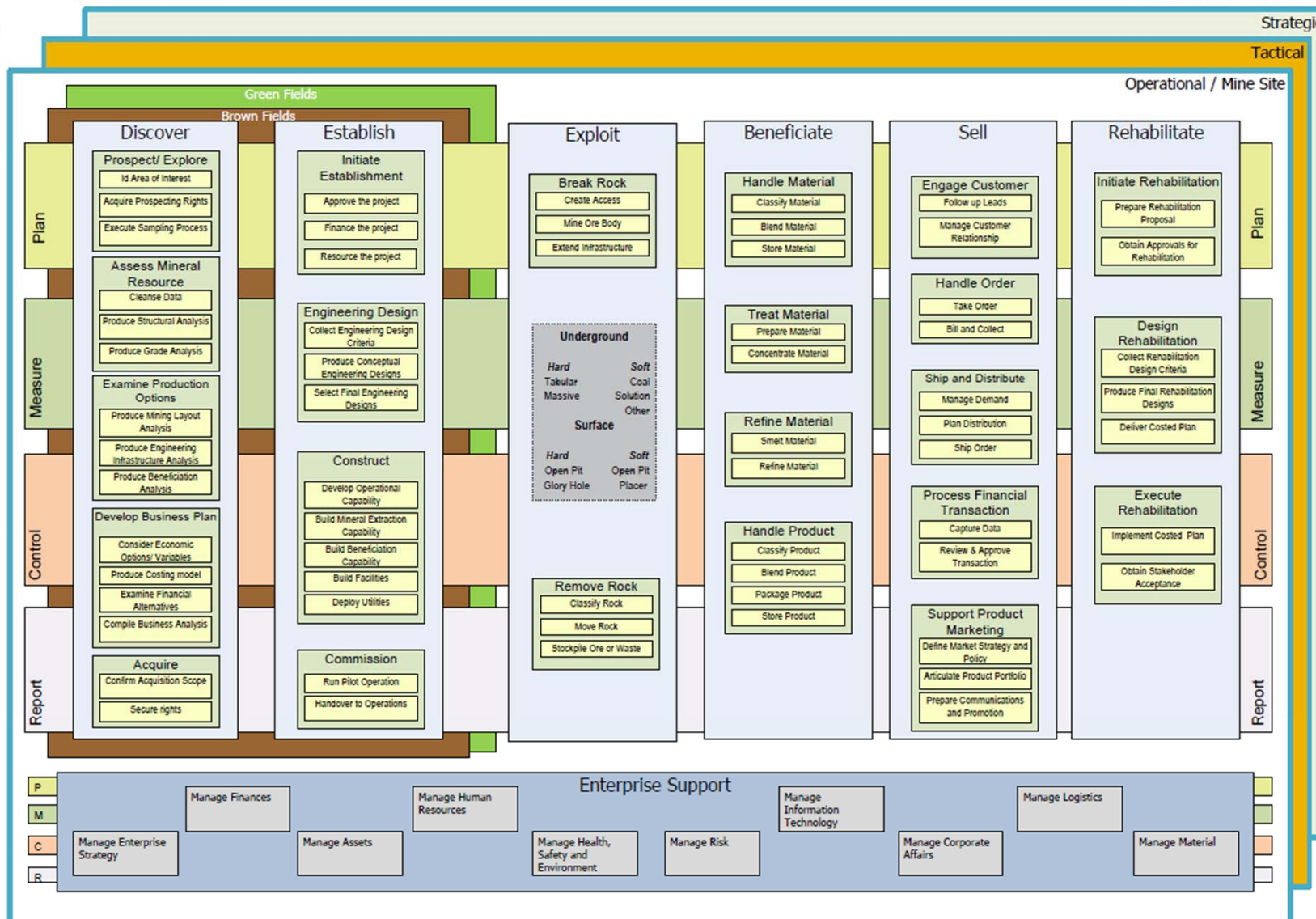
Sell: This process focuses on the dealing with customers in order to dispose of the product and attain revenue. This process also includes product marketing.

Rehabilitate: This process focuses on returning the mining site to a desired 'improved' state concurrently with or after the primary mining and associated activities.

Planning for rehabilitation is now a key deliverable of any Exploration or Mining plan and must generally be approved before any Exploration or mining tasks can be undertaken.

Enterprise Members (on release date):

- Ajilon Australia
- Datamine SA
- Fortescue Metals Group
- Gijimaat Mining Solutions International (GMSI)
- Lonmin
- Real IRM Solutions
- Rio Tinto



<http://www.opengroup.org/emmmv>

Comments are welcome. Please contact s.vijoen@opengroup.org regarding membership and participation



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Plato

This web page uses Plato - The Open Group's web collaboration system.

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The Exploration, Mining, Metals and Minerals Vertical is an initiative by The Open Group to create a set of reference models applicable to these industry focuses.
The objective of this Forum is to create a neutral platform for collaboration from primary players in the industry as well as for their primary suppliers.

Benefits of Joining EMMMV

Better alignment between business and IT. Identification and reduction of risk. Enhanced ability to anticipate its impact before it occurs. Reduction of operational costs. Easier compliance with regulatory requirements. Ability to embed key business drivers, such as SHERQ (Safety, Health, Environment) processes.



Forthcoming/Recent Events

(No Forthcoming/Recent Events available)

Recent News

03-Aug-10 Exploration and Mining Business Reference Model approved
[→ more](#)

Recent E-Mail for emmmv_info

29-Sep-10 [Invitation] Exploration, Mining, Me ...
03-Aug-10 Exploration and Mining Business Proc ...
[→ more](#)

Document

03-Aug-10 Item count:
30-Jul-10 Getting started with the Business Reference m
06-Apr-09 EMMMV Forum Charter
[→ more](#)

EM Graphic

02-Aug-10 Item count:

Logo's

02-Aug-10 Item count:

Recent Review Document

(No Recent Review Documents)

HOW TO PARTICIPATE

The EMMMV Forum welcomes participation by interested parties in this industry. If you would like to influence the direction and outcome of the EMMMV Forum, have early access to specifications and participate in defining industry standards, join the EMMMV Forum of The Open Group.

[→ become a member](#)



The Exploration and Mining Business Reference Model

August

2010

This document explains the concepts and definitions within the Exploration and Mining business reference model – the first reference model delivered by the Exploration, Mining, Metals and Minerals vertical.

Concepts and Definitions

Member Value

The EMMMv Core Business Reference Model enables Datamine, as suppliers to the Mining industry to unambiguously position our services to our customers, thereby eliminating any uncertainty as to where we can assist them.

It also enables Datamine to identify where the 'touch-points' are between our offerings and those of other industry players, thereby enabling the customer to be able to get closer to Bounderyless Information Flow™ than they would otherwise have been able to do so.

By participating in the Forum Datamine is able to gain further insight into the practical challenges of the EMMMv workspace at a strategic level in a more open manner than would be possible if Datamine was not a member of the Forum.

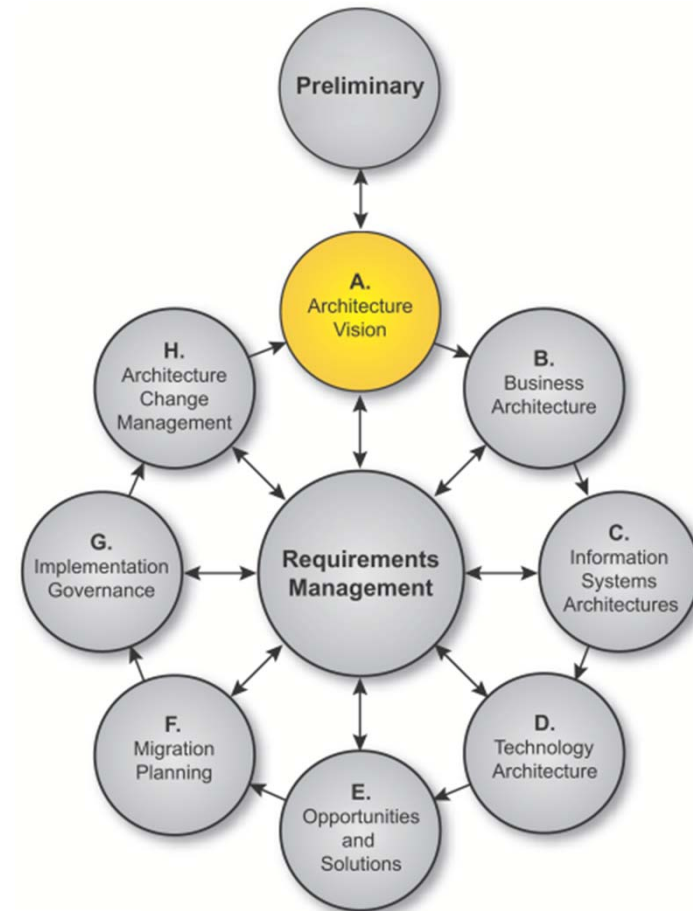
Roy Irvine, Datamine

EMMMv Planned Projects 2011



Member led

- ❑ Translation
- ❑ Information Reference Model
- ❑ Application Reference Model



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Contacts



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