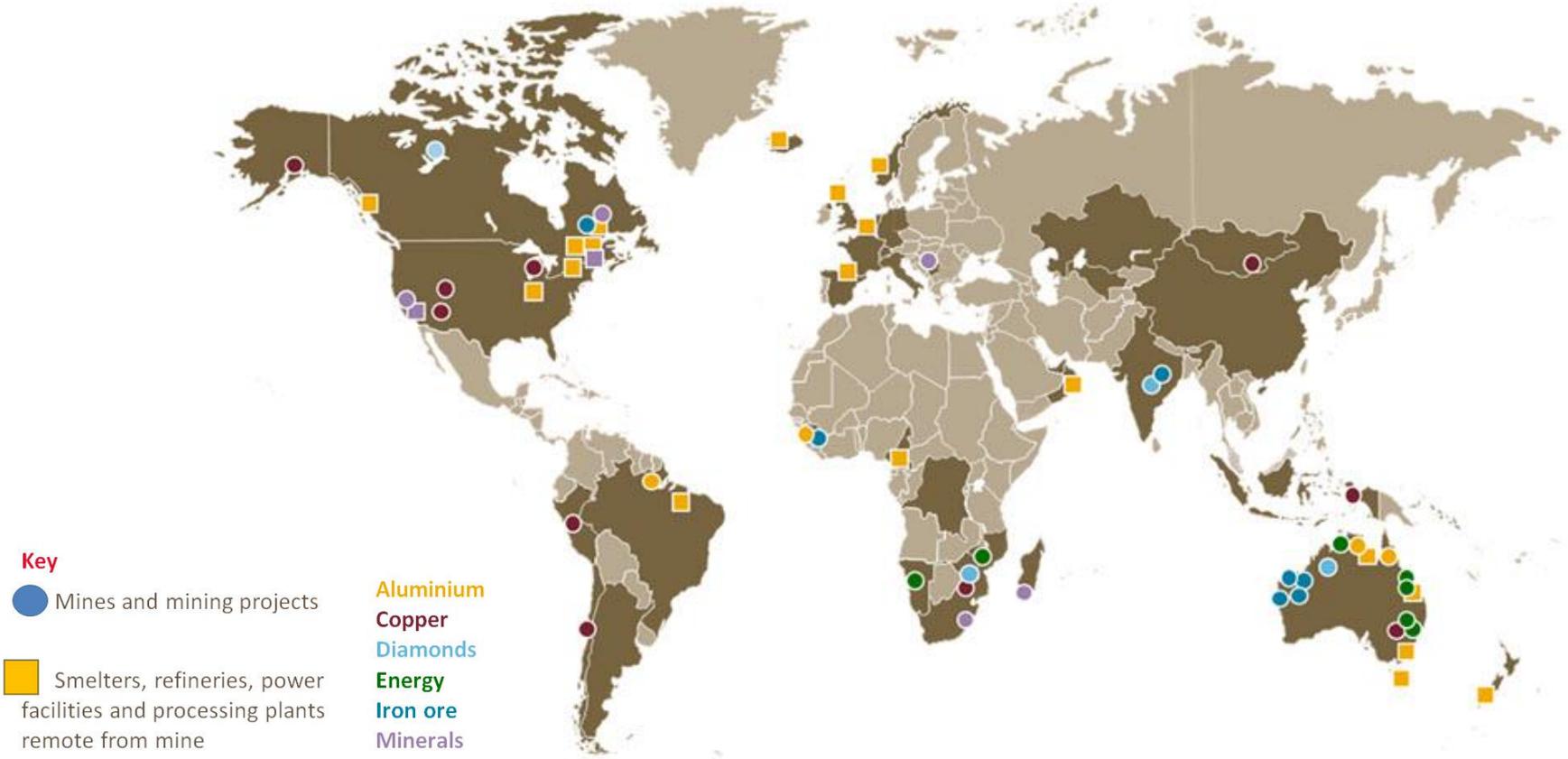


Application of Competent Persons and the CRIRSCO family of codes in Rio Tinto Projects

Steve Hunt, Rio Tinto Technology and Innovation



Location of Rio Tinto mines and facilities



Rio Tinto's public reporting landscape

- Aluminium, Copper and Coal, Diamonds and Minerals, and Iron Ore
- Rio Tinto recognises that its chief physical assets are its Mineral Resources and Ore Reserves, which are held by 30 operating business units (BUs) across the globe
- The value of these assets is not determined by Ore Reserves alone, rather it comprises the development of the entire value chain from exploration projects to mature operations where Reserves dominate the reported figures
- Resource and Reserve data reported from mainly internally-managed operations plus several externally-managed organisations
- Annual reporting of all internally-managed resource and reserves under the **JORC Code** and supported by a set of **internal standards** for listings in Australia and UK

Rio Tinto and CRIRSCO

Rio Tinto has its primary listings in Australia and the UK, and has JORC as the group reporting standard

It is also listed in the USA and must also report under IG7 to the SEC

- this variant is created only for reporting purposes and excludes all group Mineral Resources
- The pricing inputs required by the SEC can create differences to reported Ore reserves and can create investor confusion

Rio Tinto has a number of Joint Ventures that also report under CIM/Ni 43-101 and has in the past had SAMREC reporting JV's

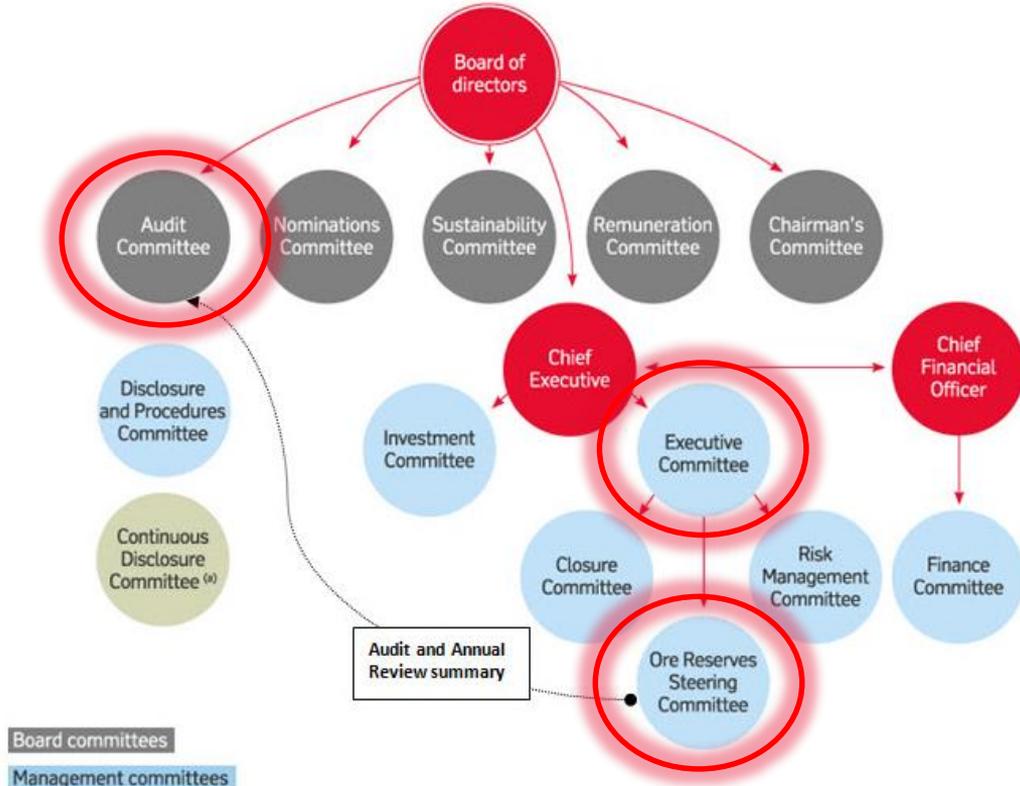
- Strong alignment to international codes under the CRIRSCO framework is critical to Rio Tinto reporting a single integrated Resources and Reserves position to its investors
- In each of these cases a common Resource and Reserve case that aligns to the two codes is reported by the JV company and Rio Tinto

Corporate governance

- In 2015, there are **64 competent persons** reporting on group assets
- With assets held on six continents and in a range of commodities - there is a requirement for a **rigorous and clear approach to reporting data across the group**
- The primary vehicle for Resource and Reserve governance is the **Ore Reserve Steering Committee** (ORSC)
 - meets at least quarterly to discuss resource and reserve matters
 - reports independently of the product group line to the Rio Tinto Executive Committee
 - Sponsorship of Competent Person training and development.
- The **Board Audit Committee** (BAC) has governance of resources and reserves in its remit
 - annual review of Resources and Reserves at a group level as provided by the ORSC
 - findings and progress from the group Resources and Reserves audit program.

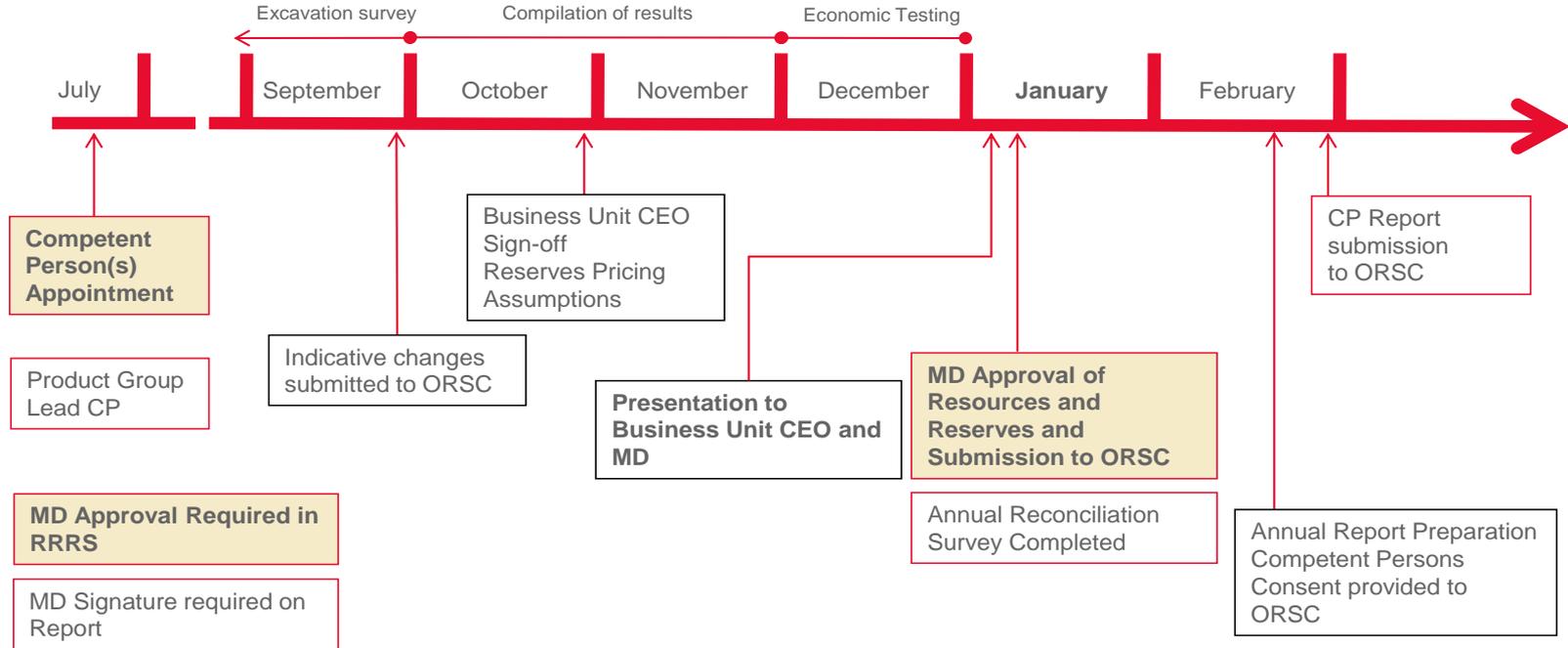
Rio Tint's governance committees

= three levels of governance



(a) The Continuous Disclosure Committee is an independent management committee.

Annual public reporting timeline

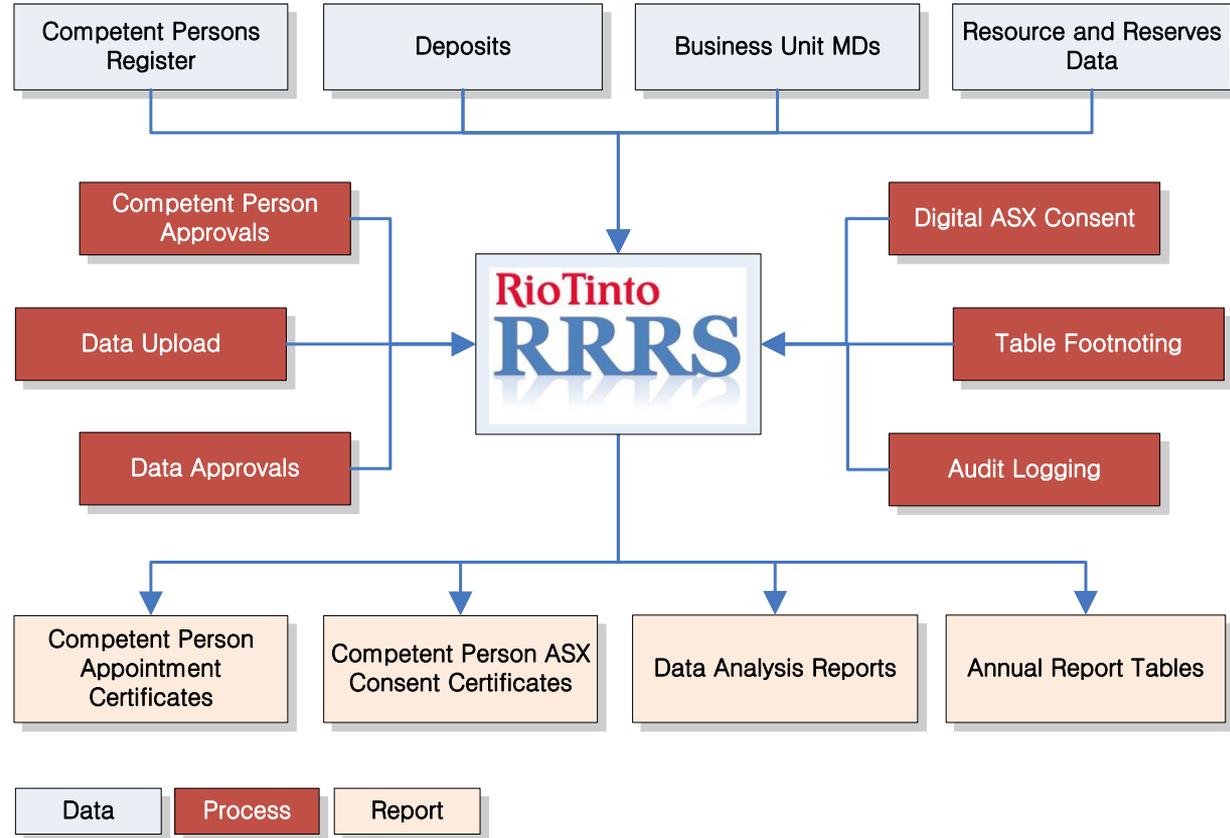


Notes:

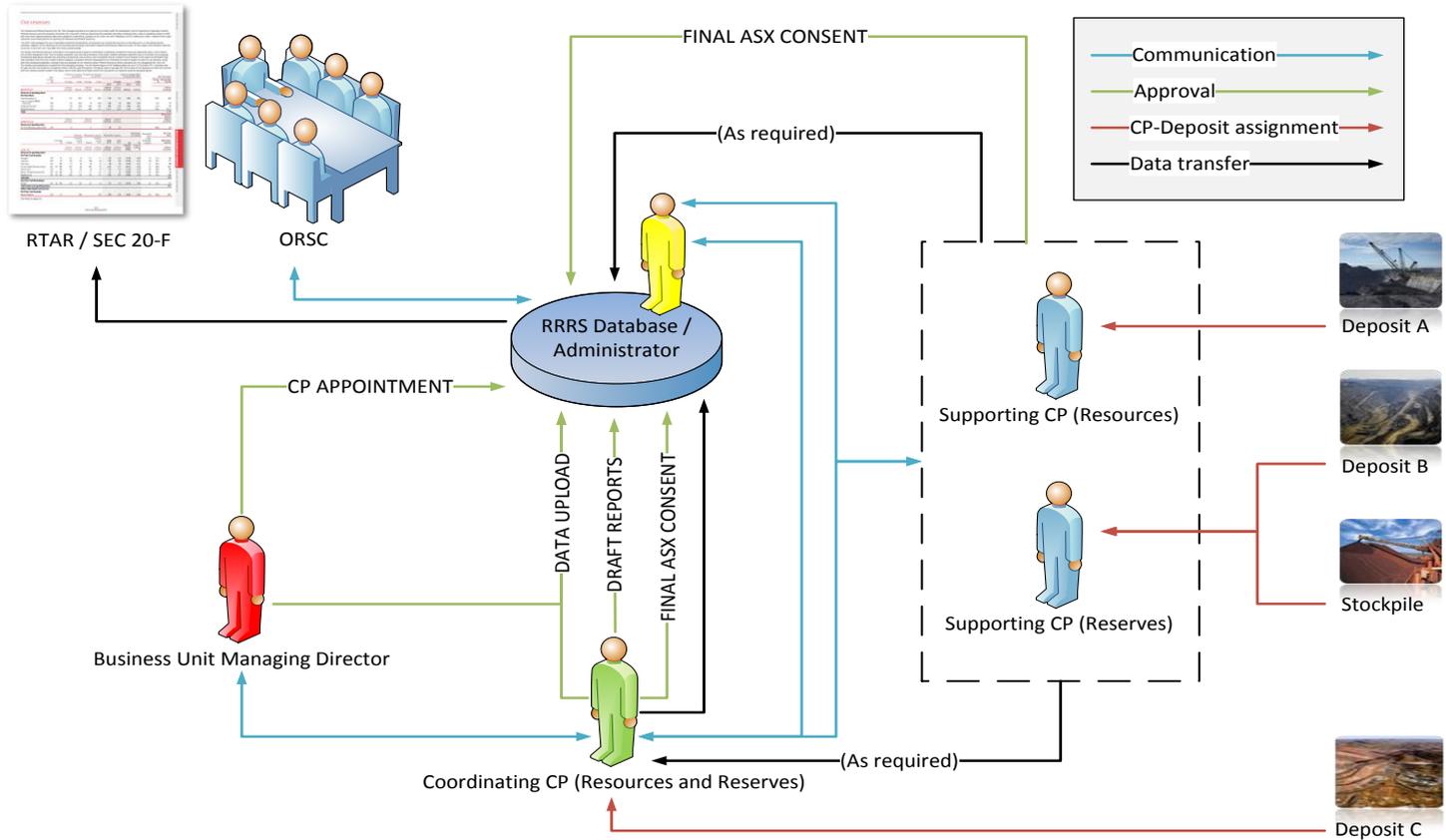
- ORSC = Rio Tinto Ore Reserves Steering Committee
- RRRS = Resources and Reserves Reporting System
- Final dates are confirmed by the ORSC in September

RRRS annual reporting database

- A bespoke Rio Tinto development built on a SAP™ Net Weaver Business Intelligence system
- Part of the Rio Tinto Data Warehouse
- Utilises an intranet-based user interface and Excel™
- High level of security and access control



RRRS workflow and roles



RRRS interface

Reserve and Resource Workbench

Rio Tinto Reserves and Resources

Module/Object: Recent Activities Dashboard **Role**

Maintain Master Data

Role

Commodity

Deposit/Mine

Reporting Version

CP Appointment

Data Submission

Draft RTAR and SEC

CP Consent

Final Reports

Year End Certificates

Utilities

Role

New Copy Refresh list

Excel Filters search list

Status	First Name	Surname	RR Role	Coord
Argyle Diamonds (RE-ARGYLE) (3)				
A	Stephen	Brennan	Resource and Reserve CP	✓
A	Shane	Johnson	Managing Director	
A	David	Ford	Resource and Reserve CP	
Borax (RE-BORAX) (3)				
A	Roberto	Torres	Resource CP	
A	Oyku	Galvan	CP Training	
A	Brandon	Griffiths	Reserve CP	✓
Bunder (RE-BUNDER) (1)				
A	Tarun	Malikani	Managing Director	
Business Development (RE-BD) (1)				
A	Jim	Berson	Managing Director	
Copper Projects (RE-COPP_PROJ) (10)				
A	Daniel	Guibal*	Resource CP	✓
A	Carl	Hehnke	Resource CP	✓
A	Mark	Howson*	Resource CP	
A	Chris	Pascoe	Reserve CP	
A	Craig	Stegman	Managing Director	
A	Peter	Taylor	Managing Director	
A	Percy	Salazar	Resource CP	✓
A	Joanna	Marshall	CP Training	
A	Bold	Bataar	Managing Director	
A	Robert	Isaacson	CP Training	
Diamonds and Minerals (RE-DM) (1)				
A	Xiaoling	Liu	Managing Director	
Diavik (RE-DIAVIK) (4)				
A	Kari	Thompson	Resource and Reserve CP	
A	Calvin	Yip	Resource and Reserve CP	✓
A	Gus	Fomradas	CP Training	

Stephen Brennan

Job Title: Principal Advisor Resource Development

Address: PMB 11

Suburb: West Perth Postcode: 6872

Country: AUSTRALIA (AU) State/Region: WESTERN AUSTRALIA (AI)

Telephone: +61 8 9482 7621 Mobile: +(0) 404 450 001 Fax: +61 8 9482 1657

Email: stephen.brennan@riotinto.com

Resource and Reserve Specific Details

Status: Active

Role: Resource and Reserve

Coordinator:

Notes:

Acting Person Information

Valid From:

Valid To:

Acting Person:

Professional Association

Prof. Society: Australasian Institute of Mining and Metallurgy

Membership Number: 105918

Experience

Qualifications: BSc (Mining)

Save Delete

Stephen Bren...

RRRS approvals

Marc Cameron

Review the table. The table contains the list of all CP with one or more deposit assigned.

The CP and deposits were approved by the relevant coordinator.

Version: 201401 - Rio Tinto 2014 Annual Resources and Reserves

Managing Director: Marc Cameron

Coordinator: Calvin Yip

Due Date: 07.07.2014

Appointment approved by Marc Cameron (MCAMERON) on 28.06.2014 14:06:12
No further action required.

CP Assigned to Deposits

Deposit	MD Approved?
Calvin Yip (Resource and Reserve CP) (5)	
A154S Pipe Underground	✓
A21 Pipe Open Pit	✓
A418 Pipe Underground	✓
Diavik Stockpiles	✓
A154N Pipe Underground	✓
Kari Thompson (Resource and Reserve CP) (5)	
A154S Pipe Underground	✓
A21 Pipe Open Pit	✓
A418 Pipe Underground	✓
Diavik Stockpiles	✓
A154N Pipe Underground	✓

Recent Acts

Current Versi

Date							
14.02.2014	11:38:15	Jo-Anne Dudley	CP Consent	CP Consent for SEC Reserves was recorded			JUDLEY
14.02.2014	11:00:39	Andrew Prentice	CP Consent	CP Consent for SEC Reserves was recorded			APRENTICE
14.02.2014	10:49:38	Murray Rayner	Draft Report	Draft SEC RESERVES report was approved by Murray Rayner			MRAYNER01
14.02.2014	10:48:22	Frank Blanchfield*	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01
13.02.2014	16:10:59	Joao Paulo Melo ...	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01
13.02.2014	15:37:55	Calvin Yip	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01
13.02.2014	15:28:32	Dominique Butty*	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01
13.02.2014	15:27:47	George MacDonald	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01
13.02.2014	15:27:08	Andrew Issel	CP Consent	CP Consent for SEC Reserves was recorded by administrator	✓	✓	PCOLLER01

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BRISBANE
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Australia (AU)
T +61 7 3625 4089

Competent Person's Consent Form

Pursuant to the requirements of ASX Listing Rule 5.6 and clause 9 of the 2012 JORC Code (Written Consent Statement)

All listed deposits are reported under JORC (2012) except for those annotated (*)

Report Description

Rio Tinto Annual Report (RTAR Reserves) 2013

Rio Tinto

Hail Creek*

31.12.2013

	Reserves		Marketable reserves		Marketable reserves		Marketable coal quality		Avg. % yield to give marketable reserves	Interest %	Rio Tinto share Marketable reserves
	Type of mine (a)	Coal type (b)	Proved at end 2013	Probable at end 2013	Proved at end 2013	Probable at end 2013	Total 2013	Total 2012			
			millions of tonnes	millions of tonnes	millions of tonnes	millions of tonnes	millions of tonnes	millions of tonnes	Calorific value MJ/kg	Sulphur content %	millions of tonnes
COAL (d)											
Reserves at operating mines											
Rio Tinto Coal Australia											
Hail Creek	Q/C	MC	74	44	38	23	60	66	32.20	0.35	51 82.0 49
Sub-total											49
Total reserves at operating mines											
											49

Notes

- (a) Type of mine: Q/P = open pit, Q/C = open cut, U/G = underground, Q/O = dredging operation.
 (b) Coal type: SC: steam/thermal coal, MC: metallurgical/coking coal.
 (c) Coals have been analysed on an "As Dried" moisture basis in accordance with Australian Standards and gross calorific value and sulphur content are reported here on that basis. Marketable reserve tonnages are reported on a product moisture basis.
 (d) For coal, the yield factors shown reflect the impact of further processing, where necessary, to provide marketable coal.

Statement

I, Matthew Hillard, confirm that:

I have read and understood the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Reserves and Ore Reserves ("2012 JORC Code")

Concluding remarks

- Common reporting under JORC as the primary basis, is enhanced by CRIRSCO code alignment in Canadian JV's.
- US SEC reporting remains a fully separate version to be administered
- Resource and Reserves governance has been enhanced in its visibility to the top levels of the Group as well as its oversight through the ORSC and support through the Technology and Innovation group.
- The ORSC vets all nominated Competent Persons across the group and reviews the annual Competent Person technical reports for consistency, and sponsors the resource and reserve audit program
- Introduction of the RRRS has enhanced transparency to the deposit level and facilitated error checking and electronic authorisation by Competent Persons
- Resource and reserve estimators can find support through peer reviews from neighbouring or similar BUs, annual Competent Person training and comparison of documented Competent Person reports.

End

