

Applying <u>science</u> to Relationship Evaluation

Maria Sarubin

- Main Roads Western Australia
- Asset Management Officer





maria.sarubin@mainroads.wa.gov.au

Overview

An opportunity for improvement

- End of road network maintenance contract duration
- Relationship-based contracting approach
- 'Relationship evaluation' process required defendable procurement
- Measuring the experience of 'the team': multiple-method, multiple perspectives
- Increased stress to reduce 'learned behaviour'
- Statistical measurement of 'synergy'



The importance of relationships

- Trialled relationship contracting since 'partnering' in 1980s.
- Positive effect on contract outcomes
- KEY is to 'work together.'
- Challenge: select and engage with the RIGHT PARTNERS





Responsible use of government funds

- Obligation to ensure that Main Roads' requirements for goods, works and services are met;
- while conforming to corporate values of equity, accountability, ethical behaviour and value for money;
- in accordance with the supply policies and practices established by the State Supply Commission (now Department of Treasury.)
- Ensure that we are effectively using Australian tax-payer's money





How to defendably assess the value of character of project teams in relationship evaluation?

Assessing

- Compliance √
- Capability √
- Commercial √
- Character





Standard process with a relationship specific components

• Enhance our standard procurement process by placing emphasis on assessing the 'relationship' aspect of proposals.

Phase one Prequalification

Phase two

Proposal Evaluation

- Non-cost
- Commercial
- Supplementary (legal) consideration

Phase three

Interim
ISA Phase

* ISA = Integrated Services Arrangement



Three elements

- Presentation SELL
- Behavioural interview TELL
- Simulation exercise DO



Simulation exercise

• Simulation the working environment and measure the character of the team (Main Roads and Contractor) including attitudes, characters and behaviours.

Measuring team character

Yerkes Dodson Law

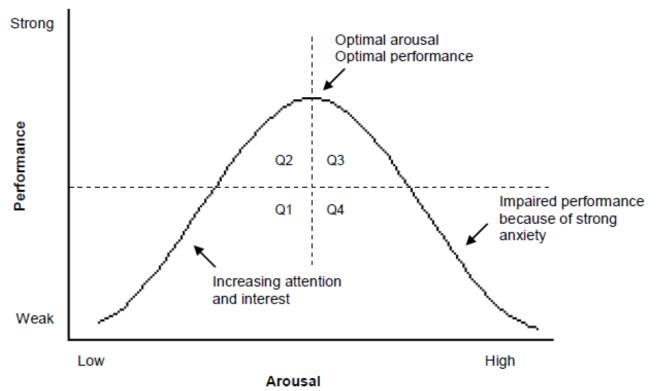
Uncover behaviours influenced by core values and beliefs

Team Synergy Scale

Measure alignment in team perception



Yerkes Dodson Law (1908)





Yerkes Dodson Law – applied to the Simulation Exercise

Non-learned behaviour

Learned behaviour



Coaching

Desire to perform well



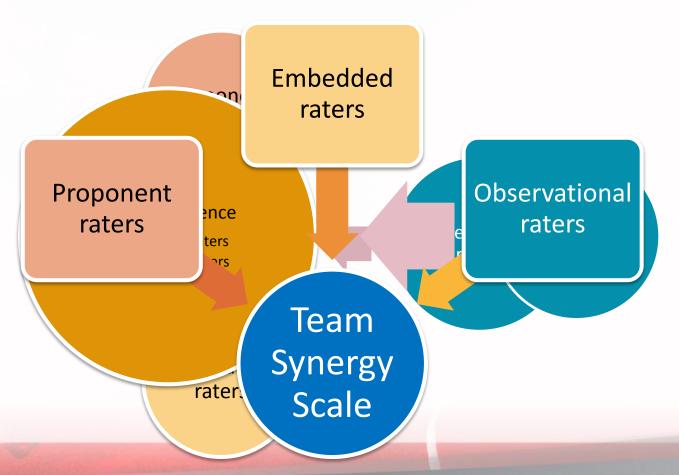
lask complexity

Time constraints

Conflicting priorities

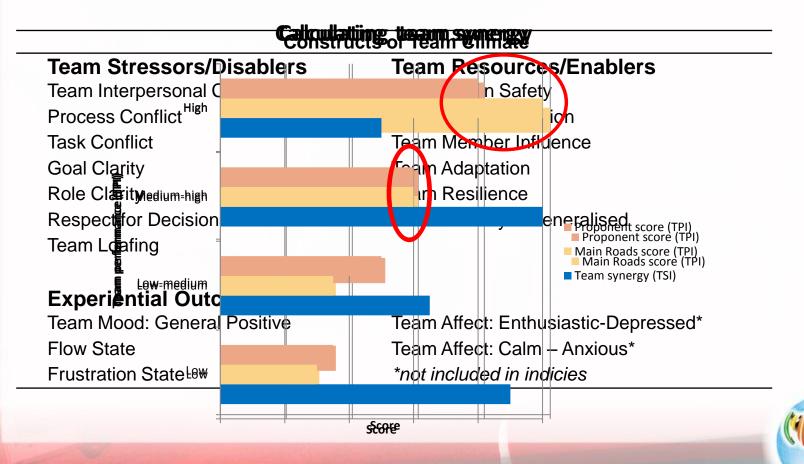


Team Synergy Scale (TSS)





Team Synergy Scale (TSS)



A quantitative measure of team character

 Overall Performance and Synergy Index (OPSI) - a new and innovative scoring method

Phacalculation of score inflation (Team Synergy Index - TSI) to omoderate the scoring of team performance (Team Performance Index Preguation Evaluation

• TSI reduces the effects of social desir

performance scores

 Supplementary (legal) consideration Quantitative measure of team character

Team Synergy Scale

TPI and TSI

OPSI



^{*} ISA = Integrated Services Arrangement

Quantitative assessment process

Prequalification

Mandatory criteria and completeness check

Desktop evaluation (scored) Relationship evaluation (scored)

Commercial evaluation (scale of confidence)

Supplementary (legal) consideration

Interim ISA Phase



Questions?

