

JCM Guideline on Validation and Verification (Mongolia)

28 October 2013

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Objective of this Presentation

You will understand the work of TPE in JCM and the opportunities for Mongolian experts to work with TPEs.

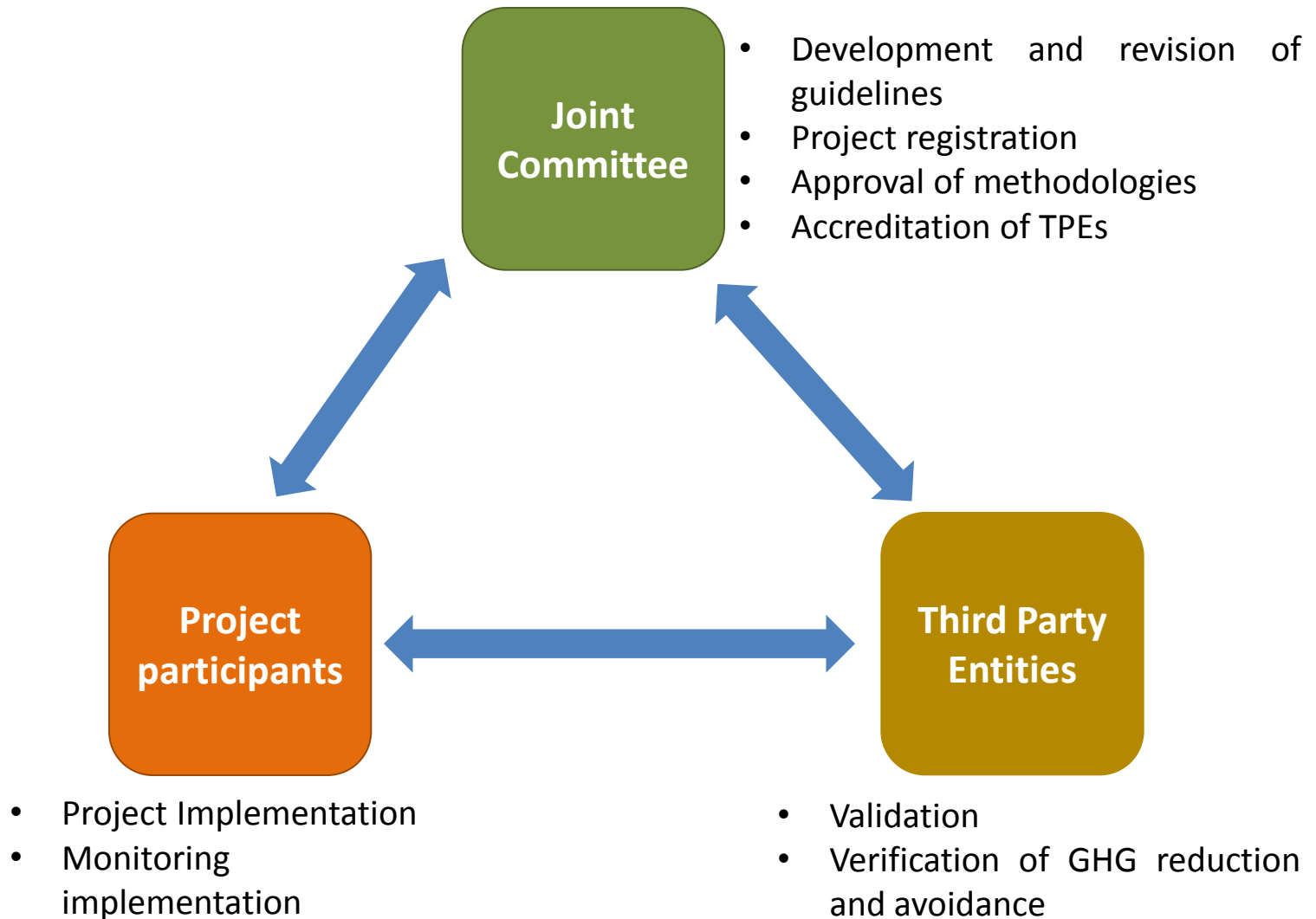
- Part 1: Introduction to the role of TPE
- Part 2: Understanding validation in JCM
- Part 3: Understanding verification in JCM

JCM

TPE

**PART 1: INTRODUCTION TO THE
ROLE OF TPE**

TPE is a “quality-keeper” in JCM





If you are on diet, you need a TPE



I am going to lose weight.

How?

My weight is now 60kg. If I do nothing, my weight is likely to be 62kg in 12 months. But I am going to reduce my weight to 55 kg. I am not going to eat any chocolates, and will go jogging 30mins three times a week.

That sounds reasonable – good luck (**VALIDATION**)

Look, my weight is now 55kg

OK, let me see the scale. Also show me the proof that you did not eat any chocolates, and went jogging.

(Prove)

OK, you did make an effort and you successfully reduced your weight by 7kg (**VERIFICATION**)

YOU

TPE

What is validation and verification?

- **Validation** – is a process to check if the project meets JCM requirements



JCM requirements

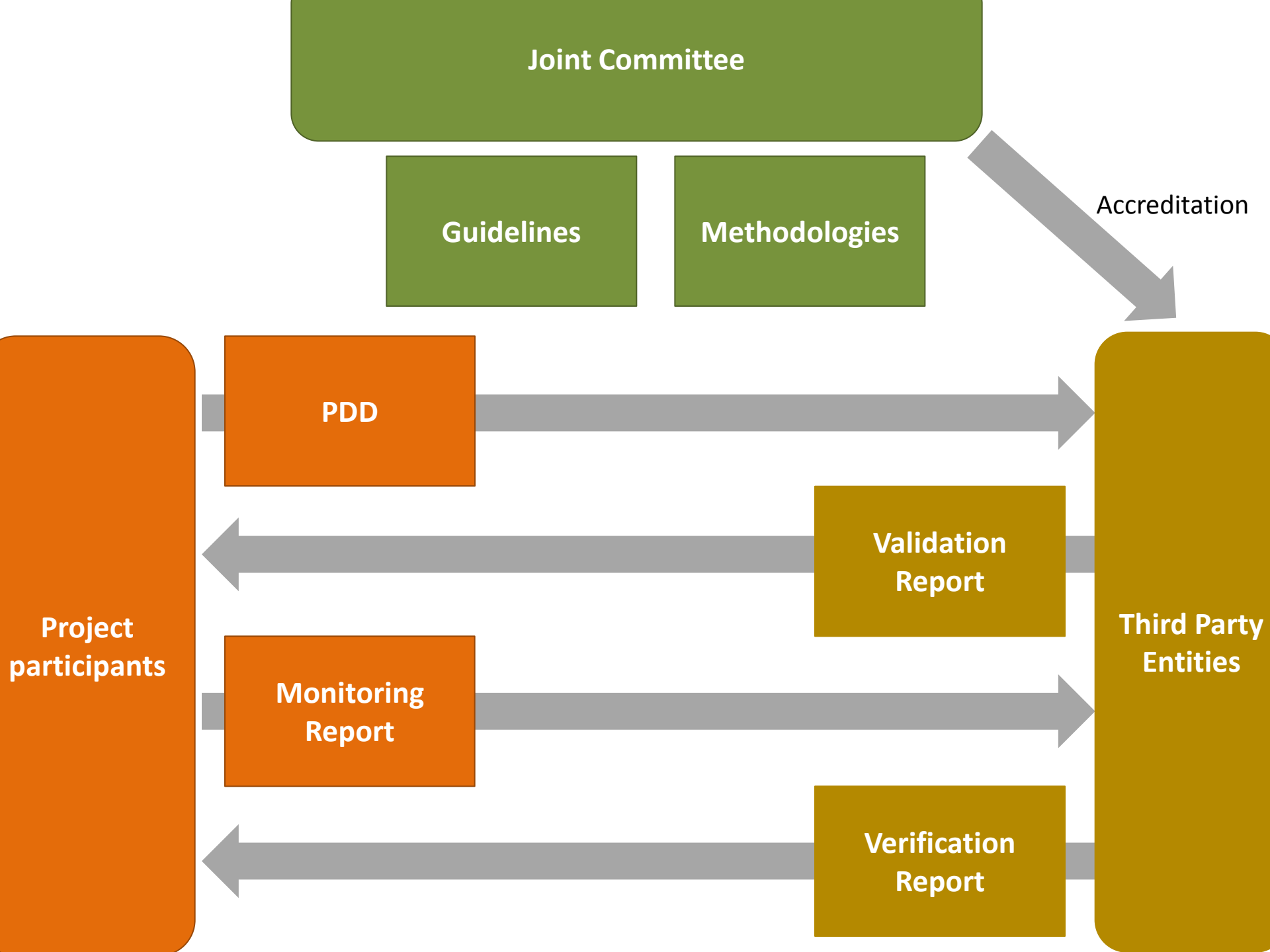
- Does it have a methodology approved by JC?
- Does the project meet the eligibility criteria of the methodology?

- **Verification** – is a process to check if the GHG emission has been reduced.



GHG reduction

- Did you monitor the project correctly?
- Do you have document proof?
- Did you calculate the emission reduction according to the methodology?



Who are TPEs for Mongolia?

- TPEs must be accredited under CDM or ISO 14065
- 4 firms currently registered as TPEs for Mongolia
 - URS Verification Limited (India)
 - Japan Consulting Institute (Japan)
 - Japan Quality Assurance Organisation (Japan)
 - Japan Management Association (Japan)



Sectoral Scope

Sectoral Scope	URS	JCI	JQA	JMA
1. Energy industries (renewable - / non-renewable sources)	X	X	X	X
2. Energy distribution		X		X
3. Energy demand			X	X
4. Manufacturing industries		X	X	X
5. Chemical industry		X	X	
6. Construction				X
7. Transport				
8. Mining/Mineral production				X
9. Metal production		X		X
10. Fugitive emissions from fuels (solid, oil and gas)		X		
11. Fugitive emissions from production and consumption of halocarbons and sulphur hexafluoride			X	
12. Solvents use				
13. Waste handling and disposal	X	X	X	
14. Afforestation and reforestation			X	X
15. Agriculture				
Number of Qualifying scopes	2	7	7	8

Need for partners in Mongolia

- TPEs will need local personnel to implement validation and verification
 - Language competency (Mongolian and English)
 - Good understanding on energy and environment sector
 - Good understanding on JCM and TPE's work

VALIDATION

PART 2: UNDERSTANDING VALIDATION IN JCM

11 Check points for validation

A: Generic (5)

Related to general feature of projects

B: Methodology-specific (3)

Checking consistency with applied methodology

C: Consultation (3)

Consultation with a range of stakeholders

A: Generic

Item	Key questions
6.2 Project Design Document form	<ul style="list-style-type: none">- Is the PDD using the latest form?- Is PDD written in line with PDD and Monitoring guidelines?
6.3 Project description	<ul style="list-style-type: none">- Is the PDD accurate, complete and understandable?
6.10 Modalities of communications	<ul style="list-style-type: none">- TPE validates corporate identify of project participants and a focal point.- Is the Modalities of Communication (see form) correctly completed and authorised?
6.11 Avoidance of double registration	<ul style="list-style-type: none">- Is the proposed project NOT registered under other international climate mitigation mechanisms (e.g. CDM)?
6.12 Start of operation	<ul style="list-style-type: none">- Is the project starting in/after 2013?

B:Methodology-specific

Item	Key questions
6.4 Application of approved methodologies	<ul style="list-style-type: none">- Is the project eligible for selected methodology?- Is the methodology up-to-date?
6.5 Emission sources and calculation if emission reductions	<ul style="list-style-type: none">- Are all GHG sources covered by the methodology addressed to calculate project and reference scenarios?- If the project proposes pre-fixed values (which does not require monitoring), are they appropriate?
6.8 Monitoring	<ul style="list-style-type: none">- Is the monitoring plan based on the approved methodologies, PDD and monitoring guidelines?- Are monitoring points for measurement appropriate?- Are monitoring equipment appropriate?

C:Outreach

Item	Key questions
6.6 Environmental impact assessment	- Have project participants conducted an EIA according to Mongolian laws?
6.7 Local stakeholder consultation	- Were local stakeholders consulted?
6.9 Public inputs	- Are all public inputs to the PDD taken into account by project participants?

Three types of “Requests”

Corrective Action Request (CAR)

- There is a mistake
 - Validation/verification requirements are not met
 - Risk that emission reductions cannot be calculated
-

Clarification Request (CL)

- Provided information is not sufficient or unclear
-

Forward Action Request (FAR)

- Review is required at the first or next verification
-



Validation Report



- The result of validation (positive/negative)
- Means of validation, findings (CAR, CL, FAR), and conclusion based on reporting requirements
- Information on public inputs
- List of interviewees and documents received

Etc...

VERIFICATION

PART 3: UNDERSTANDING VERIFICATION IN JCM

6 Check points for verification

A: Generic (1)

Related to general feature of projects

B: Methodology-specific(2)

Points to ensure the real GHG reduction

C: PDD(3)

Checks consistency with validated PDD

A:Generic

Item	Key questions
8.2.5 Double registration	- Is the proposed project NOT registered under other international climate mitigation mechanisms (e.g. CDM)?

B: Methodology-specific

Item

Key questions

8.2.1 Eligibility criteria

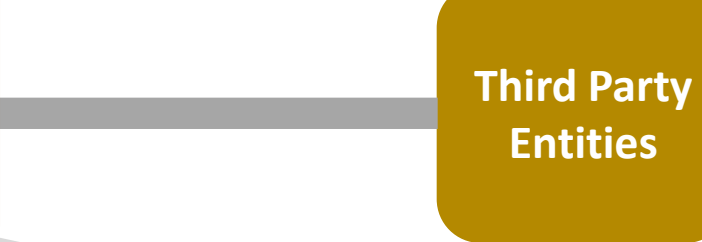
- Does the project conform to the eligibility criteria of the applied methodologies?

8.2.4 Data and calculation

- Is the data and calculation of GHG reductions in line with methodologies?
-

C:PDD

Item	Key questions
8.2.2 Implementation assessment	- Is the project implemented in line with the PDD?
8.2.3 Calibration	- Is the monitoring equipment properly calibrated and corrected.
8.3 Post-registration changes	- Has there been any changes after the project registration?



Verification Report

- The result of verification (positive/negative)
- Means of verification, findings (CAR, CL, FAR), and conclusion based on reporting requirements
- Verified amount of emission reductions achieved
- List of interviewees and documents received

Etc...



Key messages

- TPE plays a central role to ensure real GHG reduction.
- TPE has two roles:
 - Validation: prepare validation report based on 12 check-points
 - Verification: prepare verification report of emission reduction based on 4 check-points.
- There is a need for competent Mongolian partners.

