



Efficiency
Valuation
Organization



INTERNATIONAL
PERFORMANCE
MEASUREMENT
& VERIFICATION
PROTOCOL



INTERNATIONAL
ENERGY
EFFICIENCY
FINANCING
PROTOCOL

PMVE RENEWAL CRITERIA

MANDATORY

PMVA	PMVE
1. The certified person has worked in the measurement and verification of energy efficiency for a <u>minimum of 18 months</u> during the certification period. (You will need to provide start and end dates of employment and job description)	1. The certified person has worked on the measurement and verification of energy efficiency for a <u>minimum of 24 months</u> during the certification period. (You will need to provide start and end dates of employment and job description)



COMPLEMENTARY

PMVA	PMVE
The certified person covers 14 Qualifying hours that could either be for 2. Preparing a <u>minimum of two IPMVP Adherent M&V plans</u> or advising/been part of a team carrying out IPMVP Adherent M&V plans (names must appear on the M&V plan). Each plan accounts for 7 Qualifying hours The above requirements and the mandatory requirement are sufficient to ensure the renewal of the PMVA certificate.	The certified person covers 21 QH that could either be for: a) (21 QH) The certified PMVE is an active EVO-approved L3 instructor. OR b) (21 QH) Preparation of a minimum of 3 DETAILED IPMVP Adherent M&V plans. (names should be on the M&V plan; should provide the title of the M&V plan, when it was prepared or implemented – should be in the same renewal cycle, and contact details for reference) The above requirements and the mandatory requirement are sufficient to ensure the renewal of the PMVE certificate.

ADDITIONAL LEARNING AND COMMUNICATION ACTIVITIES

PMVA	PMVE
If the PMVA does not meet the complementary requirements, renewal credits must be earned in combination with learning and communication activities included in the list below. (14 QHs in total)	If the PMVE does not meet the complementary requirements, renewal credits must be earned in combination with the following criteria (15 QH), plus learning and communications activities (6 QH) a) (15 QH) Review of at least 5 Detailed IPMVP Adherent M&V plans (3 QH per plan). Must provide evidence of administrative and technical work in reviewing such plans for programmatic and other purposes. OR b) (15 QH) The certified PMVE is a registered M&V specialist in his/her country. If such certification exists in the country, the candidate should provide a certification number and link to a website where this can be verified, or contact details for reference, and a short outline of the requirements for that certification. Meeting criteria a) <u>and</u> b) above (combined) along with the mandatory requirement is sufficient to ensure the renewal of the PMVE certificate. If the candidate does not meet the above combined criteria, the candidate should present a combination of a) or b) above that account for 15QH + 6 QH earned with learning and communication activities listed below apart from the mandatory requirement.



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QUALIFYING HOURS	LEARNING AND COMMUNICATION ACTIVITIES
= 7 QH considering and recognizing research and writing time	Writing and publishing a technical article on M&V or a relevant related topic.
= 7 QH considering research time	Presentation of communication on M&V at a conference, webinar, or workshop.
1 hour of delivery = 1 QH	Delivery of one or more courses on M&V or relevant complementary topics. For example, statistics, actions to improve energy efficiency, measurement technology (meter), etc. (Multiple delivery of the same course counts only once.)
= 7 QH	Participation in a research project leading to the publication of a technical document on M&V or a relevant related subject. Your name should appear in the list of authors.
1 hour webinar = 1 QH	Attend a webinar on M&V or a relevant related topic.
1 hour workshop = 1 QH	Attend a workshop on M&V or a relevant related topic
1 QH per hour	Attending an M&V presentation at an energy conference.
2 hours of courses = 1 QH	Attend a course on M&V or a relevant related subject offered by a public or private educational institution (technical school, college, university).
To be determined during the review of the file by the certification team	Other learning and communication activities.

➡ Qualifying hours can be accumulated through a single activity or by combining multiple activities.

EXAMPLES:

For PMVA

- 1 Mandatory Work experience 18 months within the expiring period AND
- Two IPMVP Adherent M&V Plans, OR Two articles published in M&V Focus at 7 QH each equals 14 QH, OR a Presentation of a webinar during M&V Week (7 QH) and participation in 7 webinars (1 QH X 7)

For PMVE

- 1 Mandatory Work experience for 24 months within the expiring period AND
- Being an active L3 instructor, OR writing 3 detailed IPMVP Adherent M&V plans OR reviewing 5 detailed IPMVP Adherent M&V plans and 1 article published in M&V focus

Although the analysis of the learning activities is done within a common generic framework, the review of the files remains flexible to recognize the specific particularities of the different countries in terms of education and vocational training. The analysis also considers the requirements of local, regional, or national regulations and the criteria of various funding programs for energy performance improvement measures.