

LINGUISTIC VALIDATION CERTIFICATE
PAPER VERSION OF THE CHILDREN'S DERMATOLOGY LIFE QUALITY INDEX (CDLQI)

This is to certify that Mapi conducted the linguistic validation of the paper version of the **CDLQI** into the languages listed on the following page.

The aim of a linguistic validation is to obtain translations that are:

- conceptually equivalent to the original and comparable across languages;
- culturally relevant to the context of the target country;
- easily understood by the people to whom the translated instrument is administered.

This is achieved using a rigorous methodology¹ involving:

- a process which comprises several steps (see diagram on the last page of this document);
- the collaboration of the instrument's developer and a skilled team recruited by Mapi in the target country which is headed by a consultant with knowledge of and experience in the field of Patient-Reported Outcomes;
- a centralized review process coordinated by Mapi.

The specific methodology used to produce these versions of the **CDLQI** is summarized in the table on the following page. For each language, the linguistic validation process was coordinated and supervised by a consultant in the target country under the guidance of Mapi who performed a quality control and discussed the translation decisions with the consultant at each step of the process.

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Mapi - Linguistic Validation

Signature: _____

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References:

- Acquadro C., Jambon B., Ellis D. and Marquis P. Language and translation issues. In Spilker B, ed. Quality of Life and Pharmacoeconomics in Clinical Trials. Philadelphia: Lippincott-Raven Publishers, 1996: 575-585.
- Linguistic Validation Manual for Health Outcomes Assessments. Acquadro C, Conway K, Giroudet C, Mear I. Second Edition - MAPI Institute, Lyon, France, January 2012 - ISBN: 2-9522021-0-9

LINGUISTIC VALIDATION STEPS		Forward Translation Step (2 translations by qualified translators → reconciliation)	Backward Translation Step (1 translation by a qualified translator)	Adaptation Step (Review and adaptation of the mother language version to context of the target country)	Clinician's Review Step (Sponsor-appointed clinician)	Cognitive Debriefing Step (On 5 children from the general population)
COUNTRIES	LANGUAGES					
Australia	English (based on original UK English version)	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Austria	German (based on German version for Germany)	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Belgium	French (based on French version for France)	N/A	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Canada	English (based on UK English version)	N/A	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	French	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Denmark	Danish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Finland	Finnish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
France	French	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Germany	German	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Latvia	Latvian	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Netherlands	Dutch ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Portugal	Portuguese ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Russia	Russian	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spain	Spanish ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sweden	Swedish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ukraine	Russian (based on Russian version for Russia)	N/A	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Ukrainian ⁽¹⁾	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
United Kingdom	English	Original instrument				
USA	Spanish	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

N/A: Not applicable

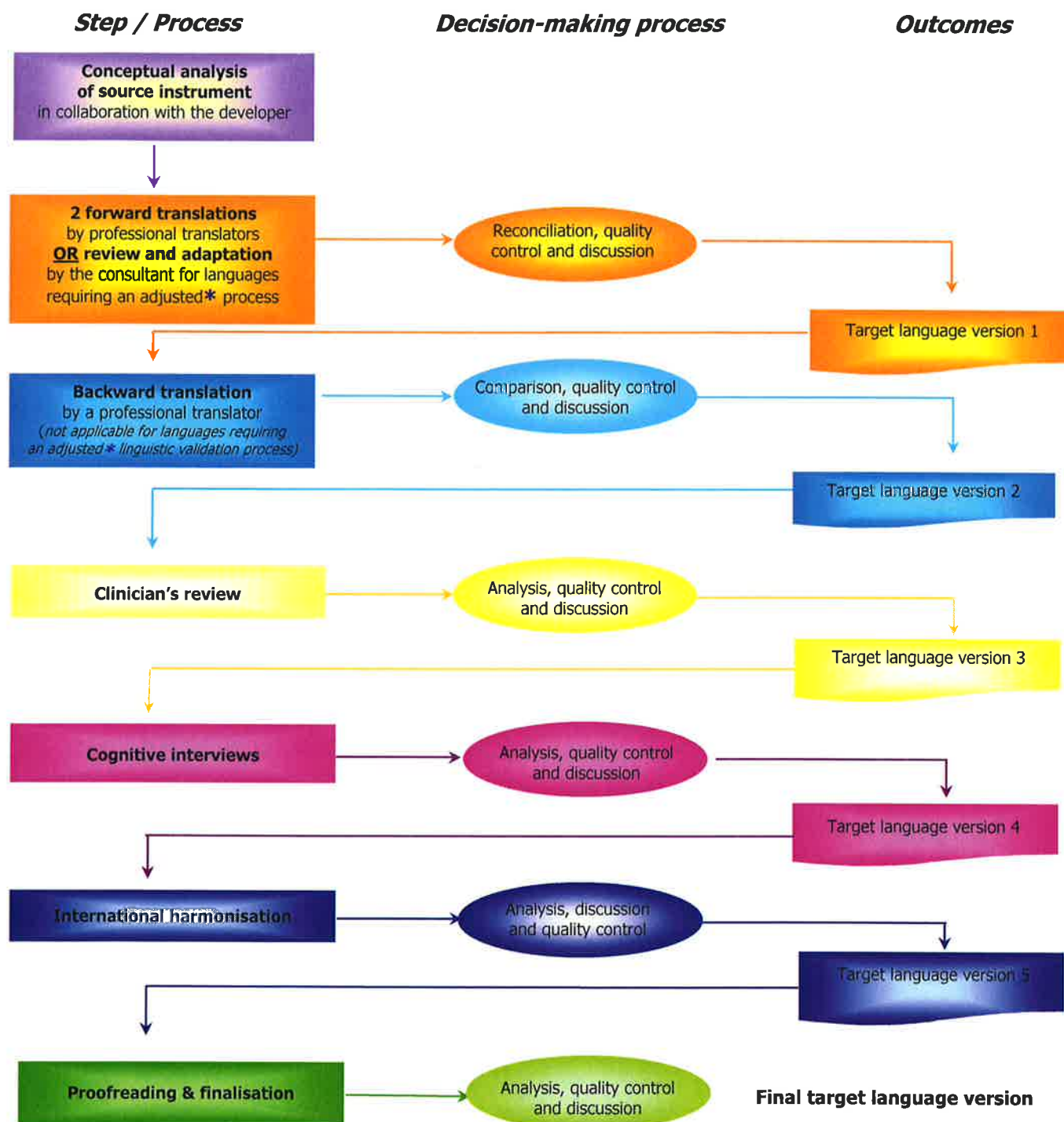
☒: Step performed

☐: Step not performed

Important remarks for US Spanish: in order to encompass the multi-ethnic dimension of US Spanish, the *forward* translations were produced by one Mexican and one South American translator respectively and reconciled during a meeting held by the consultant with the forward translators and three other translators of Caribbean, Mexican and Central American origins. The individuals interviewed during cognitive debriefing were of the same origins i.e. 2 Mexicans, 1 Caribbean, 1 Central American and 1 South American.

⁽¹⁾ A quality check through a backward translation was performed on an existing version provided by the developer.

The linguistic validation process



* For some languages that are close to one another (e.g. British and American English; French for France and Belgium), the complete standard linguistic validation process outlined above with *forward* and *backward* translation steps may not be appropriate. For such cases, an **adjusted** linguistic validation process has been established. The *forward* and *backward* translation steps are replaced by a review and adaptation step, where the work is based on a version considered as the "mother language" version. The subsequent steps are identical to those used in the standard linguistic validation process.