

Item Mapping



ICP Inter-Agency Coordination Group Meeting

October 20 - 24, 2025

Washington DC

Purpose of the Session

PPP calculation requires irregular/duplicated mapping of items for some specific basic headings, such as under government compensation and construction and civil engineering. This session aims to ensure a shared understanding and consistent treatment across global and regional practices.

Outline

- 1. Government Compensation (item distribution)**
- 2. Construction and Civil Engineering (item distribution & referencing)**

1. Government Compensation

Government Compensation Survey

ICP government compensation survey

- The ICP special survey for government covered a selection of occupations in collective services, public health services, and public education services.
- Occupations were selected to represent a range of education and skill levels commonly found in these government services.

Coverage and description

- The survey under ICP 2024 includes **35** occupations.
- Listed occupations are defined using job descriptions from the International Standard Classification of Occupations 2008 (International Labor Office), specifying occupations by the kind of work performed.

New in ICP 2024

- “130221101090: Medical imaging and therapeutic equipment technician” has been added to improve the survey’s coverage, given the growing importance of this occupation, following IACG’s recommendation.

Distribution across services

- **10** in public health; **7** in public education; **21** occupations in collective services.
- **33** occupations were unique to one service; **1 spanned two services; 1 is common to all three services.**

Required duplication in PPP calculation

- “140111101120: **Office administrative assistant (not medical)**” is expected to be included in the calculation of **2 basic headings**:
 - 1304211: Education Services (Compensation of Employees)
 - 1401111: Collective Services (Compensation of Employees)
- “140111101150: **Building caretaker**” is expected to be included in the calculation of **3 basic headings**:
 - 1302211: Health Services (Compensation of Employees)
 - 1304211: Education Services (Compensation of Employees)
 - 1401111: Collective Services (Compensation of Employees)
- Global data submission form (from RIAs to GO) requires only one entry for each occupation; however, in both regional and global PPP calculations, data should be duplicated to the appropriate headings as specified above.
- [reference: Tab “5. *Occupation list by function*” in Government Compensation Survey Form]

2. Construction and Civil Engineering

Construction and Civil Engineering

ICP construction and civil engineering survey

- The ICP special survey for Construction and Civil Engineering covers materials, equipment hire and labor.
- These item prices are used to estimate PPPs for:
 - Residential buildings;
 - Non-residential buildings;
 - Civil engineering works.
- However, the PPPs for each BH are different because the materials used for each type of construction are not the same, while subheading weights also differ for each BH!

Coverage, description and updates

- The survey under ICP 2024 includes a total of **59** items, including **8** new items (**3** materials, **4** equipment hires, **1** occupation).
- Equipment hire item specifications were updated based on the ICP 2024 “Machinery and Equipment” item list.
- Listed occupations under labor are defined using job descriptions from the International Standard Classification of Occupations 2008 (International Labor Office), specifying occupations by the kind of work performed.

Distribution across materials, equipment and labor:

- **37** construction materials; **14** in equipment hire (with and without operators); **8** occupations.
- Of the 37 construction materials, only 20 are used to estimate PPPs for all construction BHs:
 - Residential buildings (**37** material items);
 - Non-residential buildings (**35** material items);
 - Civil engineering works (**20** material items).
- This selection of which construction materials are used for which construction type is based on an indicative list distributed as an annex to Construction and Civil Engineering Survey Form and can also be consulted the [ICP Operational Guidelines](#).
- This selection considers which construction materials are typically used for which type of building. For example, “clay roof tiles” are typically used in residential buildings such as houses, but not in non-residential buildings such as offices and factories. For “civil engineering works” such as roads, bridges and other infrastructures, construction materials such as “interior plywood” or “ceramic wall tiles” are also unnecessary.
- The ICP Global Offices uses this item mapping to estimate Global PPPs, but RIAs may choose to adopt a different item mapping.

Indicative list of the relevant material inputs for construction basic headings materials for each basic heading:				
Item code	Material or product	Residential buildings	Nonresidential buildings	Civil engineering works
150120001101	Aggregate, for concrete	X	X	X
150120001102	Sand, for concrete and mortar	X	X	X
150120001103	Softwood, for carpentry	X	X	X
150120001105	Exterior plywood	X	X	X
150120001106	Interior plywood	X	X	
150120001107	Chipboard sheet	X	X	
150120001108	Petrol (gasoline)	X	X	X
150120001109	Diesel fuel	X	X	X
150120001110	Oil paint	X	X	
150120001111	Emulsion paint	X	X	
150120001112	Ordinary Portland cement	X	X	X
150120001113	Ready mix concrete	X	X	X
150120001114	Precast concrete slabs	X	X	
150120001115	Common bricks	X	X	X
150120001116	Facing bricks	X	X	
150120001117	Concrete blocks, hollow	X	X	X
150120001118	Concrete blocks, solid	X	X	X
150120001119	Clay roof tiles	X		
150120001120	Concrete roof tiles	X		
150120001121	Float (sheet) glass	X	X	
150120001122	Double glazing units	X	X	
150120001123	Ceramic wall tiles	X	X	
150120001124	Plasterboard	X	X	
150120001125	Hand wash basin	X	X	
150120001126	High yield steel reinforcement	X	X	X
150120001127	Mild steel reinforcement	X	X	X
150120001128	Structural steel sections	X	X	X
150120001129	Sheet metal roofing, with insulation	X	X	
150120001130	Sheet metal roofing, without insulation	X	X	
150120001131	PVCu pipe for drainage	X	X	X
150120001132	Copper pipe	X	X	
150120001133	PBT or MDPE pipe	X	X	X
150120001134	Mineral wool insulation	X	X	
150120001135	Precast concrete bullnosed kerb	X	X	X
150120001136	PVC pipe for electrical conduits	X	X	X
150120001137	Copper wire	X	X	X
150120001138	Electricity	X	X	X
	Total	37	35	20

Electrical materials price referencing:

- In the ICP 2017 cycle, prices were collected for the following items:
 - Electric pump
 - Electric fan
 - Air-conditioning equipment
 - Stand-by generator
 - Solar panel
- However, due to the difficulty in pricing and comparability of these items, it was decided, at the IACG meeting in April 2019, to use reference PPPs from the BH “electrical and optical equipment” as “reference-prices”.
- Therefore, in addition to the construction materials listed above, construction BH PPPs also include the following “reference-prices” i.e. reference BH PPPs:
 - Residential buildings (**2** electrical equipment "reference-prices");
 - Non-residential buildings (**5** electrical equipment "reference-prices");
 - Civil engineering works (**2** electrical equipment "references-prices").

Thank you!

