

Competency Frameworks @ CERN



Past, Present, Future

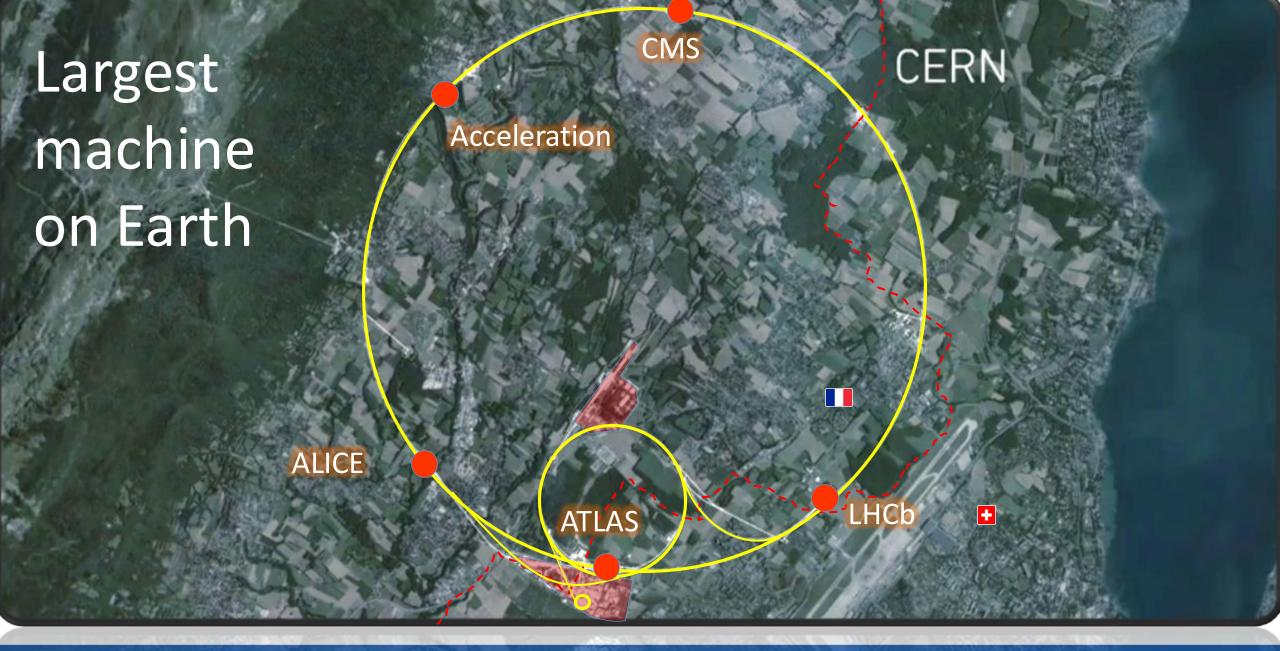
Career Development Frameworks @ CERN A journey through CERN's HR history: past, present, future

I. Introduction

II. Current framework through the understanding of the past

III. Preparing for the future





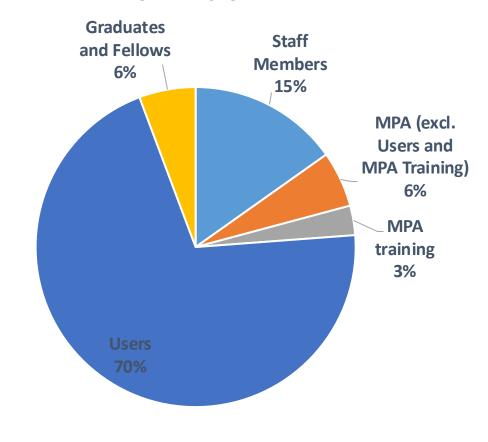


Personnel evolution

Evolution of the Members of the Personnel



Members of the Personnel by Status, 31.12.2023







Integration of reference systems ("référentiel") and HR processes



CCM: CERN
Competency Model

BMJ: Benchmark

Jobs



CCM – Historical perspective

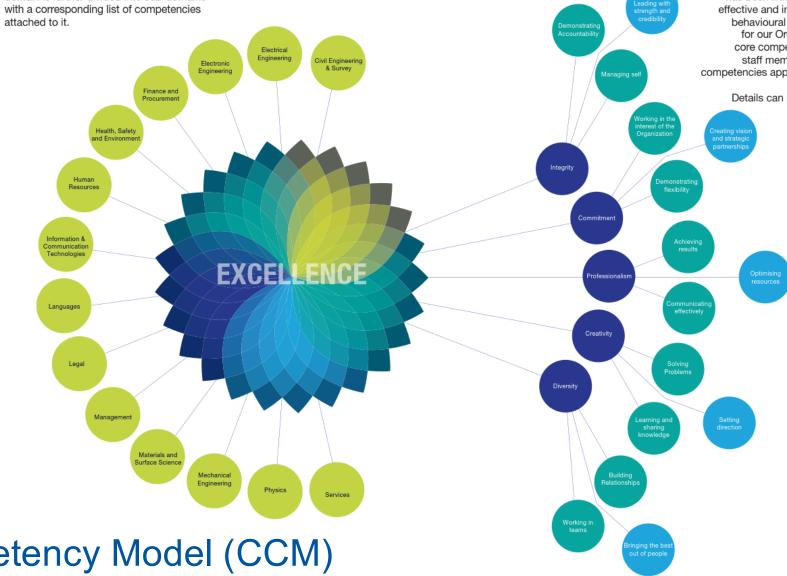
• Inventory of the technical competencies 'STI' (Skills and Talents Inventory) 2004 Starting work on behavioural competencies in addition to the STI inventory 2008 • Work on the core Values of the Organisation Continuation of work on the behavioural competencies (150 people) 2009 • Publication of the Code of Conduct (01.07.2010) · Work on technical competencies 2010 • Publication of the CERN Competency Model (CCM): combining technical and behavioural competencies around CERN Values • Use of the CCM in the recruitment processes 2011 • Use of the CCM in performance management Alignment of the Training catalogue: programmes are based on the CCM 2012 • First update of the TC 2016 •Implementation of the new version in our tools and processes 2018



TECHNICAL COMPETENCIES have been identified from the main domains of expertise of our Organization. Each domain is further divided into sub-domains

BEHAVIOURAL COMPETENCIES

have been defined as the way in which work is carried out and each competency has been illustrated with indicators of effective and ineffective behaviour. The behavioural competencies identified for our Organization consist of ten core competencies applicable to all staff members and five leadership competencies applicable to staff members in corresponding roles. Details can be consulted at cern.ch/ competencies.



CERN Competency Model (CCM)



BMJ through CERN terminology

Customized definition of a BMJ:

"a grouping of individual work situations with the same productive role"

 Project led by HR but final validation of the list by Department Heads



BMJ – Not that new in the Organization...

3. Ca er path E - Engineer / Applied Physicist

esearch, development or professional work. Including academic study and/or supervisory responsibility.

Major responsibilities

ATH DESCRIPTIONS - BENCHMARK JOB

Code

path

Statutory definition

Technical work involving th

- 1. Designs and develops complex and highly specialised equipment, apparatus and
- 2. Carries out or supervises their operation, maintenance, repair and modification.
- 3. Takes part in technical and financial planning.

	industrial collaborations/par	ershins/(ntr .ts. ers).								
	6. Directs the construction of pi7. Designs testing equipment of		BAND	DOMAINE	TITRE	FIELD	TITLE			
	Draws up specifications at 1 Directs construction work installation work. 10. Presents work in conferences	468	Aa Ab-c/Ba-b Bc	Liquéfacteurs	Assistant opérateur (liquéfacteurs) Opérateur (liquéfacteurs) Principal opérateur (liquéfacteurs)	Liquifiers	Assistant operator (liquifiers) Operator (liquifiers) Senior operator (liquifiers)			
<u>In</u>	<u>ımediate supervisor</u>	470*	Aa	Développement de films	Opérateur (Développement de films)	Film development	Operator (Film development)			
	Senior Engineer, Senior Appl	495	Aa-c/Ba		Chauffeur VL Chauffeur PL	Light/Heavy vehicle driving	LV Driver HV Driver			

May supervise other member Assistants and/or Technical E May take part in managing th	Aa Ab-c/Ba-b		Réceptionnaire Aide-magasinier Réceptionnaire principal Magasinier		Receiving clerk Assistant storekeeper Senior receiving clerk Storekeeper
University degree or doctorat About 15 years of experience	Aa Ab/Ba	Engins de génie civil / Manutention	Opérateur d'engins (génie civil)	Civil engineering equipment /	Equipment operator (materials handling) Equipment operator (civil engineering) Crane operator
 Good knowledge of English c 					

Assistant/Senior Technical Assistant (General) Educational requirement on recruitment Guide Ref. A.1 Example job summary (covering the entire career	1. Stud	study of complex and highly specialised problems; or responsibility for a unit Higher technical training (e.g. higher technical diploma) 1. Studies and develops major components of large view to obtaining specified performances and make new construction techniques and ways of using nev		5.	interests of the team.	evelopt. erships/	DDL BAND DOMAINE TITRE Assistant opérateur (liquéfacteurs)				
path)	tests, interprets the results and carries out the neces installation. Uses and creates computerised process 2. Plans, organises and directs the operation, main medium-term development of installations. Studies activities. Carries out urgent routine repairs whenev computerised processes. May supervise other ment			10. Presents work in conference	S	Вс		Principal opérateur (liquéfacteurs)			
				<u>Imme</u>	diate supervisor	470*	Aa	Développement de films	Opérateur (Développement de films)		
Functional competencies Guide Ref B. (a)- (c)				•	Senior Engineer, Senior App	495	Aa-c/Ba	Conduite de véhicules légers/lourds	Chauffeur VL Chauffeur PL		
Specific evaluation factors Guide Ref. C. 1 -9	Ca (Entry level) Performs the tasks specified in the Vacancy Notice. Demonstrates a genuine willingness to develop functional competencies Guide Ref. (d)Co-ordination in professional field (a)Personal contributions (c)Services/interactions (d)Interpolation (d)Proposals/tests/ introduction			Supervisory responsibility May supervise other member Assistants and/or Technical F. May take part in managing th Essential qualifications University degree or doctorat About 15 years of experience		Aa Ab-c/Ba-b	Magasins	Réceptionnaire Aide-magasinier Réceptionnaire principal Magasinier			
2. Getting results with/through others 3. Management of relationships/communication 4. Problem complexity 5. Change and innovation 6. Responsibility for the						Aa Ab/Ba	Engins de génie civil / Manutention	Opérateur d'engins (manutention) Opérateur d'engins (génie civil) Grutier			
results	(d) (c)	Deadlii Process	nes/instructions/urgent tasks ing	→→⇒	Good knowledge of English ← an undertaking to acquire it ra → → →		Aa-b/Ba Ac/Ba-b Bc	Evaluation des données expérimentales	Examinateur Coordinateur (evaluation des données expérimentales) Coordinateur principal (evaluation des données expérimentales)		

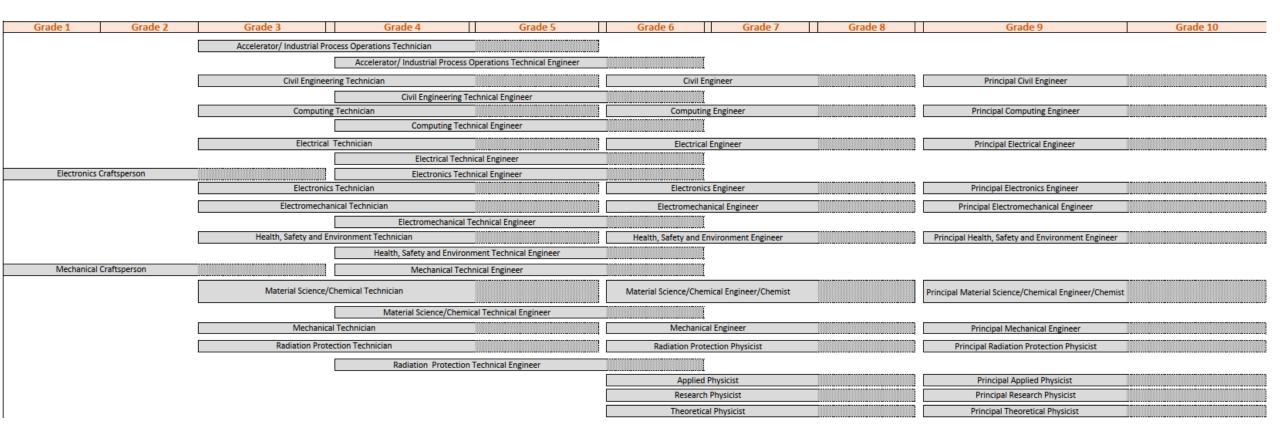
Scanner

Evaluation of experimental

Coordinator (evaluation of

Senior coordinator (evaluation of experimental events)

Benchmark Jobs (BMJ) mapping





BMJ - in detail



Benchmark job title :	Financial Support Officer
Technical domain :	Finance and Procurement
Applicable post(s) :	Financial Support Officer,
	General Accounting Support Officer,
	Payroll/Pensions Support Officer,
	Treasury Support Officer

Definition

The financial support officer monitors financial transactions into, out of and within the Organization.

Qualifications and experience

Bachelor's degree or equivalent relevant experience, in the field of finance and procurement or a related field.

Grade(s)

4-5-(6)

Main Activities

- * Monitoring payments made by the Organization (to suppliers, members of the personnel, beneficiaries etc.) and incoming payments (Member State contributions, scientific collaborations, pension contributions etc.);
- * Preparing financial reports and justifying them to control and audit authorities;
- * Monitoring and performing bank transactions with a view to optimising cash-flow;
- * Taking responsibility for the monthly and quarterly book-closing and performing journal entries and book-keeping operations;
- * Analysing and correcting financial discrepancies;
- * Monitoring short-term loans and investments;
- * Collaborating with external stakeholders (banks, suppliers) and internal services, settling disputes and ensuring that accounts are reconciled;
- * Drawing up applications for VAT reimbursement;
- * Following up changes in financial and regulatory rules and constraints and monitoring financial markets with a view to mitigating risks;
- * Streamlining financial and administrative procedures;
- * Contributing to finance-related projects.

Competencies

See CERN Competency model

Related benchmark job(s) and/or post(s)

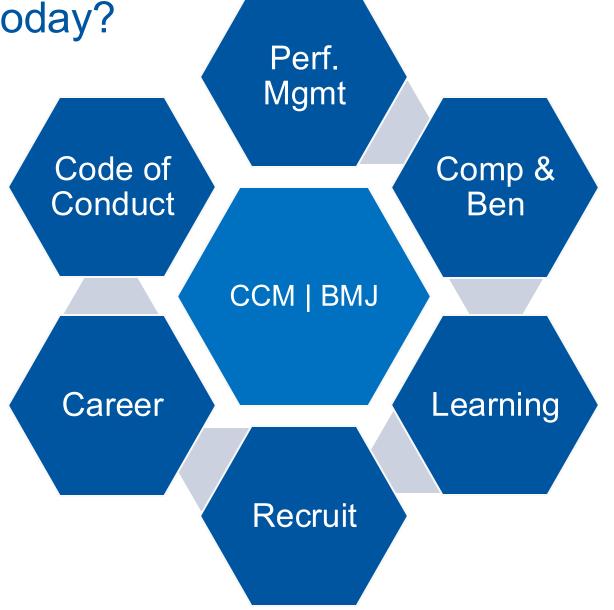
Procurement Support Officer,

Training and certification

Will be updated according to the learning pathways



Integration of reference systems ("référentiel") and HR processes



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Jobs



What are today's challenges and tomorrow's solutions?

- Internal Mobility (gig economy)/ External Mobility
- Upskilling / Re-skilling

- From posts to roles: new IT Strategy: dev opportunities and rotation principle
- Remote management/leadership

Strategic Workforce Planning

Data-Driven & Digital HR

Talent Management

Artificial Intelligence

Continuous engagement

New HCM coming

• Diversity & Inclusion (25 by '25)

 Contract policy: attractivity VS underperformance



It's a wrap!

From CERN's experience implementing career frameworks

- ✓ It takes time and you link it gradually to your HR processes
- ✓ It's a bottom-up approach that needs buy-in from operations
- ✓ It's never perfect: keeping consistency is sometimes at the cost of being comprehensive
- ✓ Once you are in, it's not over. Clean-up and maintenance as a routine
- ✓ You will make mistakes but it will help you



