

COVID-19 and F4E's supply chain

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Immediate actions since beginning of crisis



Starting in April 2020 "make cash available, quickly":

- Reduce time to pay, from 45 days (obligation) to 30 days (target) all contracts
- Suspend recovery of pre-financing during 2020-2021 (if possible) upon contractor's request
- Renegotiate payment schedule, create additional intermediate payments (if possible) - upon contractor's request

More structural approach: COVID-19 impact levels



Level 1: Additional costs incurred by contractors which are covered by existing contractual obligations

• Examples: claims for Change in Law (FIDIC extension of time, costs for mandatory PPE, ...)

Level 2: Additional support which F4E may provide to safeguard project milestones (schedule *critical*)

• Examples: incentive schemes, acceleration

Level 3: Additional support that F4E may provide to reinforce contractors and their supply chains (schedule *not critical*)

Impact evaluation: force majeure



- COVID-19 per se does not constitute force majeure
- Case-by-case assessment is required
- No additional payment only due to force majeure

FIDIC contracts	Non-FIDIC contracts			
 Exceptional events which: Are beyond a party's control and could not reasonably have been provided against Having arisen, could not reasonably have been avoided or overcome Not attributable to the other party 	 Unforeseeable, Exceptional, Beyond the control of a party Prevent from performing 			
Mere circumstance that performance becomes more difficult not sufficient; impossibility must be interpreted in good faith				
Force majeure affecting subcontractor's performance not automatically force majeure for the contractor				
No additional payment by F4E				
Non-invoking party may terminate for convenience after 84 days	Non-invoking party may gain right to terminate for convenience			
Extension of time for completion; no delay damages				

Impact evaluation: change in law



- Member States introduced new laws obliging specific Health & Safety (H&S) measures
- ITER site remained open and onsite work could continue with these new obligatory H&S measures
- These H&S measures caused disruption of the work progress and delays

FIDIC contracts	Non-FIDIC contracts
New or modified obligatory legal requirements after contract signature	Same, but except employment, social and tax
Causal link (contractor's performance is affected)	Causal link
Measurable difference between planned and actual contractor's performance caused by new requirements	Subsidiarity (applies only if not covered by other mechanisms of the contract)
If contractor already in delay when new law kicks in, then no entitlement to prolongation cost	
Cost impact: Actual costs + profit + extension of time	Cost impact: Actual costs

Impact evaluation: change in law



	Examples	Applicable to FIDIC	Applicable to Non-FIDIC	
Direct expenditure for safety measures	PPE, gels, extra on-site cleaning and office re-arrangement	Yes	Yes	
Past work slowing/loss of productivity	Salary costs for employees who could not work effectively, base salary* + allowances	Yes**	Yes**	
Future work loss of productivity	On-site circulation constraints, hygienic measures, additional H&S Translates to additional manpower needed to complete works	Yes**	Case by case	
Fixed costs for delay and prolongation	Management/head-office costs*, site infrastructure costs, crane & vehicle rental	Yes**	Case by case	

^{*}In red: this item may be partially reimbursed by Member State through national support measures (more info later)

^{**}Under certain conditions

Impact evaluation: national support



- Case by case evaluation by contractors (request or not) and by MS (accept or not) – many conditions, no general rule
- Examples:

Member State	Measure	Contribution	Duration	
France	Chomage partiel	Up to 70% gross base salary	1000 hr/employee	
France	Chomage total	Up to 70% gross base salary	12-36 months	
Italy	Cassa integrazione in deroga	Up to 80% gross salary	18 weeks	
Spain	Expediente de Regulacion Temporal de Empleo	Up to 70% gross base salary	6 months	

Impact evaluation: example Tokamak Complex construction contracts



	Notes
1) Direct expenditure for safety measures	Cost before 31/05/2020: actual incurred, supported by invoices Cost after 31/05/2020: estimated on the basis of previous incurred, up to end-2021.
2) Work slow down	Delta planned vs actual March to May 2020, costs incurred net of what actually covered through <i>chomage partiel</i> . Extra allowances (housing, travel) not covered.
3) Loss of productivity for future works	78 min/day claimed, i.e. 16.25% increase in resources needed, applied to work until end-2021.
4) Fixed costs for delay and prolongation	Delays in work completion due to (2) and (3)
5) Head-office overheads	Coefficient applied to (1) to (4)
6) Additional logistics	Change of storage areas

Impact evaluation: totals



		April 21 estimate			September estimate	June 20 estimate	April 20 estimate
	EAC base (MEUR 2008)*	EAC _{risks} (MEUR 2008) Residual risk ** Acceleration		EAC (MEUR 2008)	EAC (MEUR 2008)	EAC (MEUR 2008)	EAC (MEUR 2008)
Scenario 1	34.9	12.3	0.0	47.2	53.7	55.7	65.1
Scenario 2	0.0	0.0	0.0	0.0	3.9	13.7	17.9
total	34.9	12.3	0.0	47.2	57.6	69.4	83.0

Risk of supplier default



- F4E's average contractor default risk (Moody's data)
 - 1.97 MEUR/year
- Probability of default in 2021 up to:

5.6% for large company

13.2% for SME

- Additional COVID risk:
 - 5.6 MEUR for 2020-2023



