

## FED GUIDE SPECIFICATIONS

FED Guide Specifications are for use in specifying construction for the United States Forces Korea (USFK) and DoD Facilities within Republic of Korea. Use FED Guide Specifications sections instead of those sections provided in the Unified Facilities Guide Specifications (UFGS). FED Guide Specifications contain the district specific construction requirements including local reference standards. Any specifications section which is not covered by FED Guide Specifications shall be used UFGS.

Electronic copies of the latest FED Guide Specifications may be downloaded from POF Website at <https://www.pof.usace.army.mil/Business-With-Us/FED-Guide-Specifications/>

### TABLE OF CONTENTS

00 10 00	CONTRACT LINE ITEM NUMBER (CLIN) SCHEDULE
00 01 15	LIST OF DRAWINGS
00 01 16	GOVERNMENT-FURNISHED PROPERTY

#### DIVISION 01 - GENERAL REQUIREMENTS

01 11 00	SUMMARY OF WORK
01 22 00	PAYMENT
01 30 00	ADMINISTRATIVE REQUIREMENTS
01 32 01.00 10	PROJECT SCHEDULE
01 32 16.00 20	SMALL PROJECT CONSTRUCTION PROGRESS SCHEDULES
01 33 00	SUBMITTAL PROCEDURES
01 33 16.00 10	DESIGN DATA (DESIGN AFTER AWARD)
01 33 29	SUSTAINABILITY REQUIREMENTS AND REPORTING
01 35 26	GOVERNMENTAL SAFETY REQUIREMENTS
01 42 00	SOURCES FOR REFERENCE PUBLICATIONS
01 45 00	QUALITY CONTROL
01 45 00.15 10	RESIDENT MANAGEMENT SYSTEM CONTRACTOR MODE (RMS CM)
01 45 35	SPECIAL INSPECTIONS
01 50 00	TEMPORARY CONSTRUCTION FACILITIES AND CONTROLS, AND MISCELLANEOUS PROVISIONS
01 57 19	TEMPORARY ENVIRONMENTAL CONTROLS
01 57 19.00 31	TEMPORARY ENVIRONMENTAL CONTROLS (OSAN ONLY)
01 57 20	TEMPORARY ENVIRONMENTAL CONTROLS (KUNSAN ONLY)
01 74 19	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 78 00	CLOSEOUT SUBMITTALS
01 78 23	OPERATION AND MAINTENANCE DATA
01 78 24.00 10	FACILITY DATA REQUIREMENTS
01 91 00.15	BUILDING COMMISSIONING
01 91 19	BUILDING ENCLOSURE COMMISSIONING

#### DIVISION 02 - EXISTING CONDITIONS

02 41 00	DEMOLITION
02 61 13	EXCAVATION AND HANDLING OF CONTAMINATED MATERIAL
02 65 00	UNDERGROUND STORAGE TANK REMOVAL
02 81 00	TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS
02 82 00	ASBESTOS REMEDIATION
02 83 00	LEAD REMEDIATION

**FED GUIDE SPECIFICATIONS**  
**TABLE OF CONTENTS (Continued)**

**DIVISION 03 - CONCRETE**

03 30 00	CAST-IN-PLACE CONCRETE
03 30 53	MISCELLANEOUS CAST-IN-PLACE CONCRETE
03 45 33	PRECAST STRUCTURAL CONCRETE
03 70 00	MASS CONCRETE

**DIVISION 04 - MASONRY**

04 20 00	UNIT MASONRY
----------	--------------

**DIVISION 05 - METALS**

05 05 23.16	STRUCTURAL WELDING
05 12 00	STRUCTURAL STEEL
05 30 00	STEEL DECKS
05 40 00	COLD-FORMED METAL FRAMING
05 50 13	MISCELLANEOUS METAL FABRICATIONS
05 51 00	METAL STAIRS
05 51 33	METAL LADDERS
05 52 00	METAL RAILINGS
05 59 15	AIRCRAFT STEEL REVETMENTS

**DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES**

06 10 00	ROUGH CARPENTRY
06 20 00	FINISH CARPENTRY
06 41 16.00 10	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
06 61 16	SOLID SURFACING FABRICATIONS

**DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

07 11 13	BITUMINOUS DAMPPROOFING
07 12 00	BUILT-UP BITUMINOUS WATERPROOFING
07 13 53	ELASTOMERIC SHEET WATERPROOFING
07 14 00	FLUID-APPLIED WATERPROOFING
07 21 13	BOARD AND BLOCK INSULATION
07 21 16	MINERAL FIBER BLANKET INSULATION
07 22 00	ROOF AND DECK INSULATION
07 24 00	EXTERIOR INSULATION AND FINISH SYSTEMS
07 27 10	BUILDING AIR BARRIER SYSTEM
07 27 19.01	SELF-ADHERING AIR BARRIERS
07 27 26	FLUID-APPLIED MEMBRANE AIR BARRIERS
07 27 36	SPRAY FOAM AIR BARRIERS
07 31 13	ASPHALT SHINGLES
07 32 13	ROOF TILES
07 41 13	METAL ROOF PANELS
07 42 13	METAL WALL PANELS
07 51 13	BUILT-UP ASPHALT ROOFING
07 53 23	ETHYLENE-PROPYLENE-DIENE-MONOMER ROOFING
07 57 13	SPRAYED POLYURETHANE FOAM (SPF) ROOFING
07 60 00	FLASHING AND SHEET METAL

## FED GUIDE SPECIFICATIONS

### TABLE OF CONTENTS (Continued)

07 61 14.00 20	STEEL STANDING SEAM ROOFING
07 72 20	GRAVITY-TYPE ROOF VENTILATORS
07 81 00	SPRAY-APPLIED FIREPROOFING
07 84 00	FIRESTOPPING
07 92 00	JOINT SEALANTS

#### DIVISION 08 - OPENINGS

08 11 13	STEEL DOORS AND FRAMES
08 11 16	ALUMINUM DOORS AND FRAMES
08 14 00	WOOD DOORS
08 31 00	ACCESS DOORS AND PANELS
08 32 13	ALUMINUM SLIDING GLASS DOORS
08 33 13	COILING COUNTER DOORS
08 33 23	OVERHEAD COILING DOORS
08 34 01	FORCED ENTRY RESISTANT COMPONENTS
08 34 02	BULLET-RESISTANT COMPONENTS
08 34 16	CORROSION CONTROL HANGAR DOORS
08 34 59	VAULT DOORS AND DAY GATES
08 34 73	SOUND CONTROL DOOR ASSEMBLIES
08 39 54	BLAST RESISTANT DOORS
08 41 13	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
08 51 13	ALUMINUM WINDOWS
08 51 23	STEEL WINDOWS
08 60 45	SKYLIGHTS][ AND ][TRANSLUCENT PANELS]
08 71 00	DOOR HARDWARE
08 81 00	GLAZING
08 91 00	METAL [WALL] [AND] [DOOR] LOUVERS

#### DIVISION 09 - FINISHES

09 22 00	SUPPORTS FOR PLASTER AND GYPSUM BOARD
09 22 36	LATH
09 24 23	CEMENT STUCCO
09 29 00	GYPSUM BOARD
09 30 10	CERAMIC, QUARRY, AND GLASS TILING
09 35 16	CHEMICAL-RESISTANT QUARRY TILING
09 51 00	ACOUSTICAL CEILINGS
09 62 38	STATIC-CONTROL FLOORING
09 64 66	WOOD ATHLETIC FLOORING
09 65 00	RESILIENT FLOORING
09 67 23.14	CHEMICAL RESISTANT RESINOUS FLOORING
09 67 23.15	FUEL RESISTIVE RESINOUS FLOORING, 3-COAT SYSTEM
09 67 23.16	FUEL RESISTIVE RESINOUS FLOORING, 5-COAT SYSTEM
09 68 00	CARPETING
09 69 13	RIGID GRID ACCESS FLOORING
09 72 00	WALLCOVERINGS
09 84 20	ACOUSTICAL WALL PANELS
09 90 00	PAINTS AND COATINGS
09 96 00	HIGH-PERFORMANCE COATINGS
09 97 13.27	HIGH PERFORMANCE COATING FOR STEEL STRUCTURES

**FED GUIDE SPECIFICATIONS**  
**TABLE OF CONTENTS (Continued)**

**DIVISION 10 - SPECIALTIES**

10 11 00	VISUAL DISPLAY UNITS
10 14 00.10	EXTERIOR SIGNAGE
10 14 00.20	INTERIOR SIGNAGE
10 14 53	TRAFFIC SIGNAGE
10 21 13	TOILET COMPARTMENTS
10 22 13	WIRE MESH PARTITIONS
10 22 26.13	ACCORDION FOLDING PARTITIONS
10 22 39	FOLDING PANEL PARTITIONS
10 26 00	WALL AND DOOR PROTECTION
10 28 13	TOILET ACCESSORIES
10 44 16	FIRE EXTINGUISHERS
10 51 13	LOCKERS

**DIVISION 11 - EQUIPMENT**

11 05 40	COMMON WORK RESULTS FOR FOODSERVICE EQUIPMENT
11 06 40.13	FOODSERVICE EQUIPMENT SCHEDULE
11 13 19.13	LOADING DOCK LEVELERS
11 31 13	ELECTRIC KITCHEN EQUIPMENT
11 41 11	REFRIGERATED AND FROZEN FOOD STORAGE EQUIPMENT
11 47 00	ICE MACHINES
11 68 13	PLAYGROUND EQUIPMENT

**DIVISION 12 - FURNISHINGS**

12 21 00	WINDOW BLINDS
12 22 00	CURTAINS AND DRAPES
12 24 13	ROLLER WINDOW SHADES
12 35 30.23 20	BATHROOM CASEWORK
12 35 39	COMMERCIAL KITCHEN CASEWORK
12 48 13	ENTRANCE FLOOR MATS AND FRAMES
12 61 13	UPHOLSTERED AUDIENCE SEATING
12 93 00	SITE FURNISHINGS

**DIVISION 13 - SPECIAL CONSTRUCTION**

13 34 19	METAL BUILDING SYSTEMS
13 48 73	SEISMIC CONTROL FOR NONSTRUCTURAL COMPONENTS

**DIVISION 14 - CONVEYING EQUIPMENT**

14 21 23.02 33	ELECTRIC TRACTION PASSENGER ELEVATORS, KOREA EDITED SPECIFICATION (KES)
14 24 23	HYDRAULIC PASSENGER ELEVATORS

**DIVISION 21 - FIRE SUPPRESSION**

21 13 13	WET PIPE SPRINKLER SYSTEMS, FIRE PROTECTION
21 13 16	DRY PIPE SPRINKLER SYSTEMS, FIRE PROTECTION
21 13 18	PREACTION SPRINKLER SYSTEMS, FIRE PROTECTION

**FED GUIDE SPECIFICATIONS**  
**TABLE OF CONTENTS (Continued)**

21 13 25	HIGH-EXPANSION FOAM SYSTEM, FIRE PROTECTION
21 30 00	FIRE PUMPS

**DIVISION 22 - PLUMBING**

22 00 00	PLUMBING, GENERAL PURPOSE
----------	---------------------------

**DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)**

23 05 48.19	SEISMIC BRACING FOR MECHANICAL SYSTEMS
23 05 93	TESTING, ADJUSTING, AND BALANCING FOR MECHANICAL AND PLUMBING SYSTEMS
23 07 00	THERMAL INSULATION FOR MECHANICAL SYSTEMS
23 08 00	COMMISSIONING OF MECHANICAL[ AND PLUMBING] SYSTEMS
23 09 00	INSTRUMENTATION AND CONTROL FOR HVAC
23 09 13	INSTRUMENTATION AND CONTROL DEVICES FOR HVAC
23 09 23.01	LONWORKS DIRECT DIGITAL CONTROL FOR HVAC AND OTHER BUILDING CONTROL SYSTEMS
23 09 23.02	BACNET DIRECT DIGITAL CONTROL FOR HVAC AND OTHER BUILDING CONTROL SYSTEMS
23 11 20	FACILITY GAS PIPING
23 23 00	REFRIGERANT PIPING
23 30 00	HVAC AIR DISTRIBUTION
23 44 00.00 10	CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL (CBR) AIR FILTRATION SYSTEM
23 52 00	HEATING BOILERS
23 54 19	BUILDING HEATING SYSTEMS, WARM AIR
23 63 00.00	COLD STORAGE REFRIGERATION SYSTEMS
23 64 10	WATER CHILLERS, VAPOR COMPRESSION TYPE
23 64 26	CHILLED, CHILLED-HOT, AND CONDENSER WATER PIPING SYSTEMS
23 74 33	DEDICATED OUTDOOR AIR SYSTEMS (DOAS)
23 81 00	DECENTRALIZED UNITARY HVAC EQUIPMENT
23 81 29	VARIABLE REFRIGERANT FLOW HVAC SYSTEMS
25 05 11	CYBERSECURITY FOR FACILITY-RELATED CONTROL SYSTEMS
25 08 10	UTILITY MONITORING AND CONTROL SYSTEM TESTING
25 10 10	UTILITY MONITORING AND CONTROL SYSTEM (UMCS) FRONT END AND INTEGRATION

**DIVISION 25 - INTEGRATED AUTOMATION**

25 05 11	CYBERSECURITY FOR FACILITY-RELATED CONTROL SYSTEMS
25 08 10	UTILITY MONITORING AND CONTROL SYSTEM TESTING
25 10 10	UTILITY MONITORING AND CONTROL SYSTEM (UMCS) FRONT END AND INTEGRATION

**DIVISION 26 - ELECTRICAL**

26 05 48	SEISMIC PROTECTION FOR ELECTRICAL EQUIPMENT
26 05 73	POWER SYSTEM STUDIES
26 08 00	APPARATUS INSPECTION AND TESTING
26 12 19	PAD-MOUNTED, LIQUID-FILLED, MEDIUM-VOLTAGE TRANSFORMERS
26 13 00 SF6	SF6/HIGH-FIREPOINT FLUIDS INSULATED PAD-MOUNTED SWITCHGEAR
26 20 00	INTERIOR DISTRIBUTION SYSTEM

**FED GUIDE SPECIFICATIONS**  
**TABLE OF CONTENTS (Continued)**

26 24 13	SWITCHBOARDS
26 29 23	ADJUSTABLE SPEED DRIVE (ASD) SYSTEMS UNDER 600 VOLTS
26 31 00	FACILITY-SCALE SOLAR PHOTOVOLTAIC (PV) SYSTEMS
26 32 15	ENGINE-GENERATOR SET STATIONARY 15-2500 KW, WITH AUXILIARIES
26 36 23	AUTOMATIC TRANSFER SWITCHES AND BY-PASS/ISOLATION SWITCH
26 41 00	LIGHTNING PROTECTION SYSTEM
26 42 13	GALVANIC (SACRIFICIAL) ANODE CATHODIC PROTECTION (GACP) SYSTEM
26 51 00	INTERIOR LIGHTING
26 56 00	EXTERIOR LIGHTING
26 56 20	AIRFIELD AND HELIPORT LIGHTING AND VISUAL NAVIGATION AIDS

**DIVISION 27 - COMMUNICATIONS**

27 05 13.43	TELEVISION DISTRIBUTION SYSTEM
27 05 29.00 10	PROTECTIVE DISTRIBUTION SYSTEM (PDS) FOR SIPRNET COMMUNICATION SYSTEMS
27 10 00	BUILDING TELECOMMUNICATIONS CABLING SYSTEM
27 51 16	PUBLIC ADDRESS SYSTEMS
27 51 23	INTERCOMMUNICATION SYSTEM

**DIVISION 28 - ELECTRONIC SAFETY AND SECURITY**

28 08 10	ELECTRONIC SECURITY SYSTEM ACCEPTANCE TESTING
28 10 05	ELECTRONIC SECURITY SYSTEMS (ESS)
28 31 70	INTERIOR FIRE ALARM SYSTEM, ADDRESSABLE
28 31 76	INTERIOR FIRE ALARM AND MASS NOTIFICATION SYSTEM, ADDRESSABLE
28 33 00.00 40	FUEL-GAS DETECTION AND ALARM

**DIVISION 31 - EARTHWORK**

31 00 00	EARTHWORK
31 11 00	CLEARING AND GRUBBING
31 32 19.13	GEOGRID SOIL STABILIZATION
31 32 19.16	GEOTEXTILE SOIL STABILIZATION
31 35 19.13	GEOGRID SLOPE PROTECTION
31 36 00	GABIONS
31 62 13.20	PRECAST/PRESTRESSED CONCRETE PILES

**DIVISION 32 - EXTERIOR IMPROVEMENTS**

32 01 11.51	RUBBER AND PAINT REMOVAL FROM AIRFIELD PAVEMENTS
32 01 13.62	BITUMINOUS SURFACE TREATMENT
32 01 16.71	COLD MILLING ASPHALT PAVING
32 01 17.61	SEALING CRACKS IN ASPHALT PAVING
32 01 18.71	GROOVING OF AIRFIELD PAVING
32 01 19.61	SEALING OF JOINTS IN RIGID PAVEMENT
32 01 29.61	PARTIAL DEPTH PATCHING OF RIGID PAVING
32 05 33	LANDSCAPE ESTABLISHMENT
32 11 20	BASE COURSE FOR RIGID][ AND ][SUBBASE] [SELECT-MATERIAL][FOR FLEXIBLE PAVING]
32 11 23	AGGREGATE BASE COURSE] [AND/OR][GRADED CRUSHED AGGREGATE BASE COURSE] FOR FLEXIBLE PAVING

## **FED GUIDE SPECIFICATIONS**

### **TABLE OF CONTENTS (Continued)**

32 11 23.23	BASE COURSE DRAINAGE LAYERS
32 11 36.13	LEAN CONCRETE BASE COURSE
32 12 13	BITUMINOUS TACK AND PRIME COATS
32 12 15.13	ASPHALT PAVING FOR AIRFIELDS
32 12 16.16	ROAD-MIX ASPHALT PAVING
32 13 13.06	PORTLAND CEMENT CONCRETE PAVEMENT FOR ROADS AND SITE FACILITIES
32 13 14.13	CONCRETE PAVING FOR AIRFIELDS AND OTHER HEAVY DUTY PAVEMENTS
32 13 14.14	CONCRETE PAVING FOR SMALL AIRFIELD PROJECTS
32 13 73.19	COMPRESSION CONCRETE PAVING JOINT SEALANT
32 14 13.13	INTERLOCKING PRECAST CONCRETE UNIT PAVING
32 15 00	AGGREGATE SURFACING
32 16 16	STONE PAVEMENTS
32 16 19	CONCRETE CURBS, GUTTERS, SIDEWALKS, SWALES AND DITCHES
32 17 23.16	ROAD AND PARKING LOT PAVEMENT MARKINGS
32 17 23.19	AIRFIELD PAVEMENT MARKINGS
32 18 13	SYNTHETIC TURF SYSTEM
32 18 16.13	PLAYGROUND PROTECTIVE SURFACING
32 18 16.23	SYNTHETIC POLYURETHANE RESILIENT SURFACING
32 31 13	CHAIN LINK FENCES AND GATES
32 31 13.53	HIGH-SECURITY FENCES (CHAIN LINK AND ORNAMENTAL) AND GATES
32 32 23.13	SEGMENTAL CONCRETE BLOCK RETAINING WALL
32 84 24	IRRIGATION SPRINKLER SYSTEMS
32 92 19	SEEDING
32 92 23	SODDING
32 93 00	EXTERIOR PLANTS
32 96 00	TRANSPLANTING EXTERIOR PLANTS

### **DIVISION 33 - UTILITIES**

33 01 50.31	LEAK DETECTION FOR FUELING SYSTEMS
33 11 00	WATER UTILITY DISTRIBUTION PIPING
33 30 00	SANITARY SEWERAGE
33 31 23.00 10	SANITARY SEWER FORCE MAIN PIPING
33 40 00	STORMWATER UTILITIES
33 46 16	SUBDRAINAGE PIPING
33 51 15	NATURAL-GAS / LIQUEFIED PETROLEUM GAS DISTRIBUTION PIPELINES
33 56 10	FACTORY-FABRICATED FUEL STORAGE TANKS
33 71 01	OVERHEAD TRANSMISSION AND DISTRIBUTION
33 71 02	UNDERGROUND ELECTRICAL DISTRIBUTION
33 82 00	TELECOMMUNICATIONS OUTSIDE PLANT (OSP)

### **DIVISION 34 - TRANSPORTATION**

34 60 13	ELECTRIC VEHICLE CHARGING FACILITY (EVCF)
34 73 13	AIRCRAFT TIEDOWNS
34 73 16	AIRFIELD GROUNDING
34 75 13.13	CRASH RATED ACTIVE VEHICLE BARRIERS AND CONTROLS

### **DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION**

35 31 19.20	ARTICULATING CONCRETE BLOCK REVETMENTS
-------------	--

**FED GUIDE SPECIFICATIONS**  
**TABLE OF CONTENTS (Continued)**

**DIVISION 40 - PROCESS INTERCONNECTIONS**

40 17 26.00 20      WELDING PRESSURE PIPING

**DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT**

41 22 13.14          BRIDGE CRANES, OVERHEAD ELECTRIC, TOP RUNNING

41 22 13.15          BRIDGE CRANES, OVERHEAD ELECTRIC, UNDER RUNNING TROLLEY

-END OF LIST-