Explore API Documentation

SelfService_Estimate_Resource

CalculatedValue

Version 2.0

Last Modified: 10-Dec-202512/11/2025

Last Modified By: Litzy Mora

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Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

Revision	Change Date	Description	Modified By
1.0	27-May-2023	Initial draft	Aaron Cohen
2.0	10-Dec-2025	Updated data refresh	Litzy Mora

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Overview

The ***SelfService_Estimate_ResourcesCalculatedValues*** API is one of multiple APIs comprising the data contained in the Estimate Resource entity.

The Estimate Resource entity includes three main tables

- *SelfService_Estimate_Resources*
- *SelfService_Estimate_ResourcesCalculatedValues*
- *SelfService_Estimate_ResourcesReferencedData*

The *SelfService_Estimate_Resources* table contains Resource Rate records as created and managed within the Estimate application.

The *SelfService_Estimate_ResourcesCalculatedValues* table contains Resource Rate data commonly calculated in some way for display purposes in the application and can provide a convenient way to reference data as it appears in the application without needing to transform it for display purposes.

The *SelfService_Estimate_ResourcesReferencedData* contains the values of the many foreign key lookup values stored in the jobs table and can provide a convenient way to reference data as it appears in the application without needing to lookup the foreign key values from a lookup table.

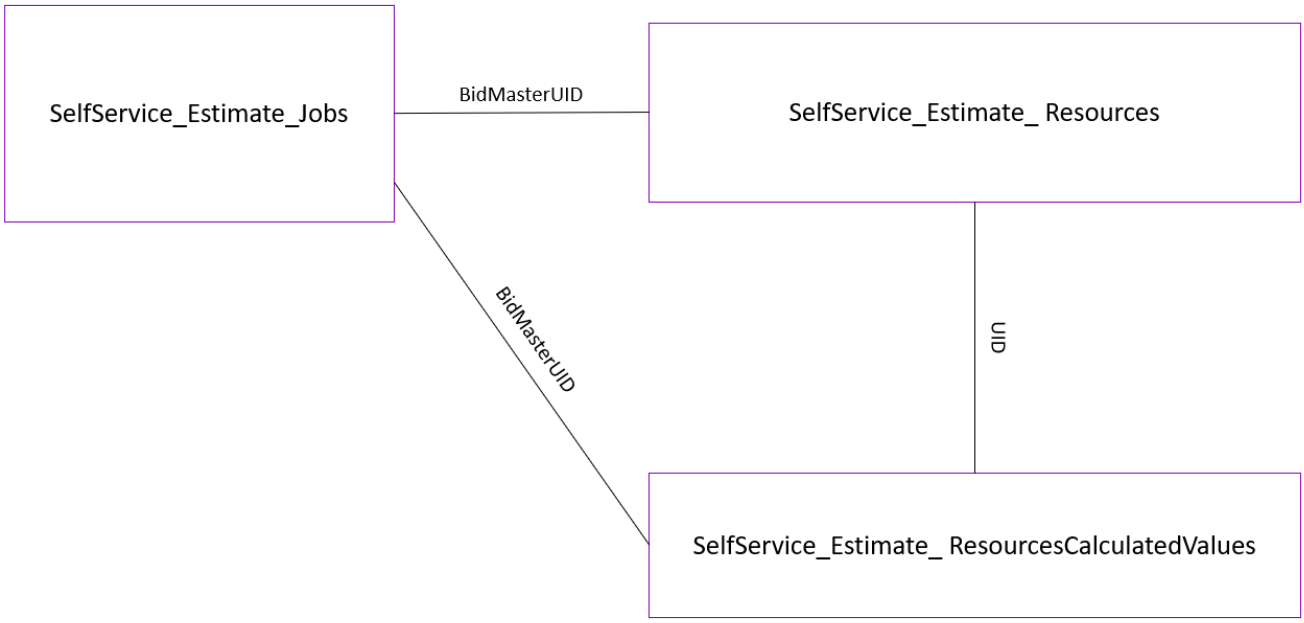
Monetary values stored in the database are stored in their base currency and corresponding values displayed in the application have been modified based on the conversion factor of the items assigned currency.

Quantity values stored in the database are stored in their base measurement units and corresponding values displayed in the application are potentially modified based on the conversation factor of the items unit of measure

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]	Comment
ResourcesCalculatedValues (RCV)	Jobs (J)	RCV.BidMasterJobUID = J.BidMasterJobUID	M:1	
ResourcesCalculatedValues (RCV)	Resources (R)	RCV.UID = R.UID	1:1	

[1] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*



API Detail

Direction		From Project Suite
Pagination		50,000 Rows
Frequency		All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.
Trigger Method(s)		All default OData filters are supported
Average Payload Size		Depends on date range selected
APIM Name		SelfService_Estimate_ResourceCalculatedValue
Data Refresh/Delta/Incremental Loads		The refresh of the data in this API is sync-based. The time it takes data to appear in this API is dependent on the load on the server at the time. If it takes more than 15 minutes, please submit a ticket with the Service Desk.
Project Suite	**Starting Version**	23.6
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	Char Max Length	Numeric Precision	Date Precision	Product	PK
EstimateResourceCalculatedValueId	bigint	8	19	0	Estimate	X

EstimateResourceCalculatedValueUF	uniqueidentifier	16	0	0	Estimate	
EstimateResourceCalculatedValueUID	uniqueidentifier	16	0	0	Estimate	
ActualAutoCalcMaintenanceLaborManHours	bit	1	1	0	Estimate	
ActualMaintenanceLaborAssemblyUID	uniqueidentifier	16	0	0	Estimate	
AmountPerPeriod	float	8	53	0	Estimate	
DefaultAutoCalcMaintenanceLaborManHours	bit	1	1	0	Estimate	
DefaultMaintenanceLaborAssemblyUID	uniqueidentifier	16	0	0	Estimate	
FuelAccountDescription	nvarchar	300	0	0	Estimate	
EstimateFuelAccountUID	uniqueidentifier	16	0	0	Estimate	
FuelTypeUnitOfMeasureName	nvarchar	110	0	0	Estimate	
HasExcelLinks	bit	1	1	0	Estimate	
HoursPerPeriod	float	8	53	0	Estimate	
Include	bit	1	1	0	Estimate	
IsTaxStandard	bit	1	1	0	Estimate	
PeriodType	nvarchar	20	0	0	Estimate	
QuantityRollUpDescription	nvarchar	300	0	0	Estimate	
ResourceTypeString	nvarchar	60	0	0	Estimate	
SalesTaxRate	float	8	53	0	Estimate	
UnitCostScale2	float	8	53	0	Estimate	
UnitCostScale3	float	8	53	0	Estimate	
UtilizedDays	float	8	53	0	Estimate	
UtilizedMonths	float	8	53	0	Estimate	
UtilizedPeriods	float	8	53	0	Estimate	
UtilizedWeeks	float	8	53	0	Estimate	
UtilizedYears	float	8	53	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Estimate	
CreatedById	bigint	8	19	0	Estimate	
CreatedDate	datetimeoffset	10	34	7	Estimate	
ModifiedById	bigint	8	19	0	Estimate	
ModifiedDate	datetimeoffset	10	34	7	Estimate	

Field Descriptions

Name	Description	Example
EstimateResourceCalculatedValueId	Unique identifier assigned to each record in the table	2387188
EstimateResourceCalculatedValueUF	System generated field, for internal use only	e9fd1453-5abd-0fb4-2099-b1cf24fea809

EstimateResourceCalculatedValueUID	Unique identifier for a Resource Rate record. Not visible in the interface	373e63d4-fee4-498f-85fe-6c4fd409adba
ActualAutoCalcMaintenanceLaborManHours	Indicates if the *Automatically calculate Maintenance Labor Man-Hours for this Resource* checkbox on the Resource Rate record is checked	false
ActualMaintenanceLaborAssemblyUID	Identifier of the specified *Maintenance Labor Assembly* from the ResourceAssemblies table and as indicated when the option to specify the Maintenance Labor Assembly is chosen. Found on the Charge Rate tab of Equipment Resource Rate records	null
AmountPerPeriod	For Owned and Rented Equipment type resources, the value of the *Amount per Period* field when Non-Hourly Period Charge Rates are used. Found on the Charge Rate tab of Equipment Resource Rate records and in the *Amount Per Period* field in the Resource Rate Register	0.0
DefaultAutoCalcMaintenanceLaborManHours	Indicates if the Use job Default option is selected when the *Automatically calculate Maintenance Labor Man-Hours for this Resource* checkbox on the Resource Rate record is checked	true
DefaultMaintenanceLaborAssemblyUID	Identifier of the specified *Maintenance Labor Assembly* from the ResourceAssemblies table and as indicated when the option to use the Jobs default Maintenance Labor Assembly is chosen. Found on the Charge Rate tab of Equipment Resource Rate records	402acfa8-f81e-4d39-adf5-047f2d4fc0bd
FuelAccountDescription	Value of the Resource Rate records selected *Fuel Type* from the Fuels table. A null value indicates no Fuel Type is chosen and the OE Fuel cost is not calculated but can be manually entered. Found on the Charge Rate tab of Equipment type Resource Rate records	null
EstimateFuelAccountUID	For Resource records with a selected Fuel Type, is the Identifier of the Fuel Types assigned Account Code	null

FuelTypeUnitOfMeasureName	Value of the Fuel Unit of Measure field found in the in the Resource Rate Register and in the Charge Rate tab of Equipment Resource Rate record	null
HasExcelLinks	Indicates if the Resource Rate record has any field values linked with cells from the Embedded Workbook	false
HoursPerPeriod	For Owned and Rented Equipment type resources when Non-Hourly Period Charge Rates are used, this is the *Hours Per Period* field value found in the in the Resource Rate Register and in the Charge Rate tab of Equipment Resource Rate record	0.0
Include	Field for internal use only	true
IsTaxStandard	Indicates if the *Apply Standard Tax* checkbox on the Resource Rate record is checked, which determines how to calculate the value of the Fees, Sales Taxes Cost Category in the resources Cost Category Breakdown	false
PeriodType	For Owned and Rented Equipment type resources where the Non-Hourly Period Charge Rates are used, this field indicates the selected *Period* field value on the Resource Rate Register and in the Charge Rate tab of Equipment Resource Rate record	Daily
QuantityRollUpDescription	Description of Resource Rate records selected *Quantity Roll-Up* Code value from the QuantityRollUps table. Found on the Setup tab of the Resource Rate record for non-duration based resources	null
ResourceTypeString	Description of the *Resource Type* field value for Resource Rate record	Labor Rate
SalesTaxRate	Value of the Sales Tax rate used when the option to calculate the Sales Taxes Cost Category in the resources Cost Category Breakdown is enabled	0.0
UnitCostScale2	Resource Rate records *Unit Cost (Scale 2)* found on the Resource Rate Register and the Total Labor Cost field value in the Scale 2 tab of the Charge Rate tab in the Resource Rate record	41.21775

UnitCostScale3	Resource Rate records *Unit Cost (Scale 3)* found on the Resource Rate Register and the Total Labor Cost field value in the Scale 3 tab of the Charge Rate tab in the Resource Rate record	54.957
UtilizedDays	For Owned and Rented Equipment type resources, the value calculated in the *Utilized Days* field in the Resource Rate Register when Non-Hourly Period Charge Rates are used	0.0
UtilizedMonths	For Owned and Rented Equipment type resources, the value calculated in the *Utilized Months* field in the Resource Rate Register when Non-Hourly Period Charge Rates are used	0.0
UtilizedPeriods	For Owned and Rented Equipment type resources, the value calculated in the *Utilized Periods* field when Non-Hourly Period Charge Rates are used. Found on the Charge Rate tab of Equipment Resource Rate records	0.0
UtilizedWeeks	For Owned and Rented Equipment type resources, the value calculated in the *Utilized Weeks* field in the Resource Rate Register when Non-Hourly Period Charge Rates are used	0.0
UtilizedYears	For Owned and Rented Equipment type resources, the value calculated in the *Utilized Years* field in the Resource Rate Register when Non-Hourly Period Charge Rates are used	0.0
BidMasterJobUID	Identifier of the Job record from the Jobs table in the BidMaster database. Not visible in the interface.	dec37787-a459-463b-a567-dd80f0f705b3
LastUpdateID	Field for internal use only	628
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	true
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only	1
CreatedDate	Date/timestamp record is entered	2023-05-08T21:57:42.2162955Z
ModifiedById	System generated Id, will always represent the system, not actual	1

	users. This field is for internal use only	
ModifiedDate	Date/timestamp record is modified	2023-05-08T21:57:42.2162955Z

Sample


```
{
    "EstimateResourceCalculatedValueId": 2387188,
    "EstimateResourceCalculatedValueUF": "e9fd1453-5abd-0fb4-2099-b1cf24fea809",
    "EstimateResourceCalculatedValueUID": "373e63d4-fee4-498f-85fe-6c4fd409adba",
    "ActualAutoCalcMaintenanceLaborManHours": false,
    "ActualMaintenanceLaborAssemblyUID": null,
    "AmountPerPeriod": 0.0,
    "DefaultAutoCalcMaintenanceLaborManHours": true,
    "DefaultMaintenanceLaborAssemblyUID": "402acfa8-f81e-4d39-adf5-047f2d4fc0bd",
    "FuelAccountDescription": null,
    "EstimateFuelAccountUID": null,
    "FuelTypeUnitOfMeasureName": null,
    "HasExcelLinks": false,
    "HoursPerPeriod": 0.0,
    "Include": true,
    "IsTaxStandard": false,
    "PeriodType": "Daily",
    "QuantityRollUpDescription": null,
    "ResourceTypeString": "Labor Rate",
    "SalesTaxRate": 0.0,
    "UnitCostScale2": 41.21775,
    "UnitCostScale3": 54.957,
    "UtilizedDays": 0.0,
    "UtilizedMonths": 0.0,
    "UtilizedPeriods": 0.0,
    "UtilizedWeeks": 0.0,
    "UtilizedYears": 0.0,
    "BidMasterJobUID": "dec37787-a459-463b-a567-dd80f0f705b3",
    "LastUpdateID": 628,
    "IsActive": true,
    "CreatedById": 1,
    "CreatedDate": "2023-05-08T21:57:42.2162955Z",
    "ModifiedById": 1,
    "ModifiedDate": "2023-05-08T21:57:42.2162955Z"
}
```


Data Validation

This data can be validated by opening the Resource Rate Register or Resource Rate Record in an open job in the Estimate Application

Figure 1: Resource Rate Register

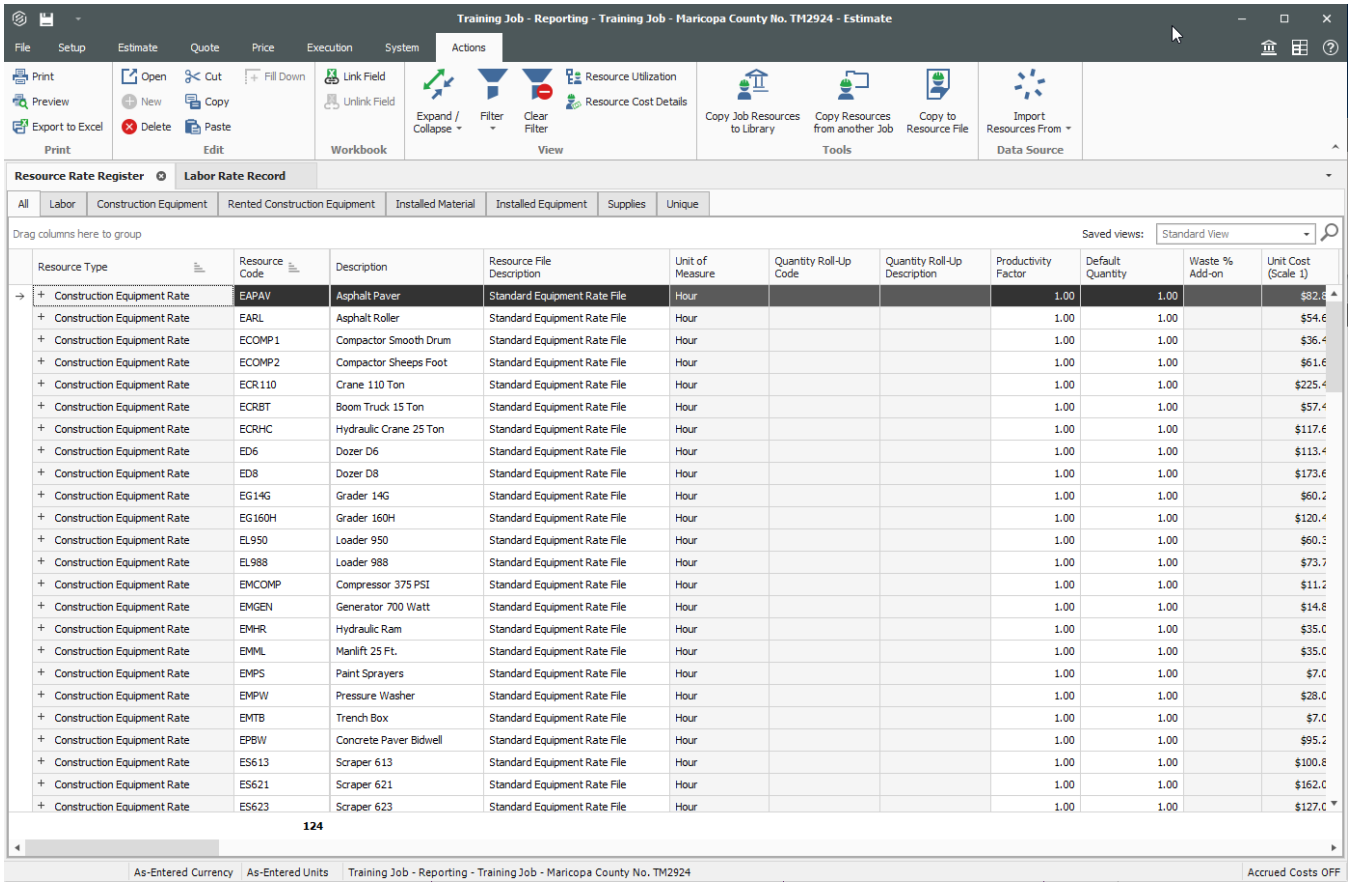
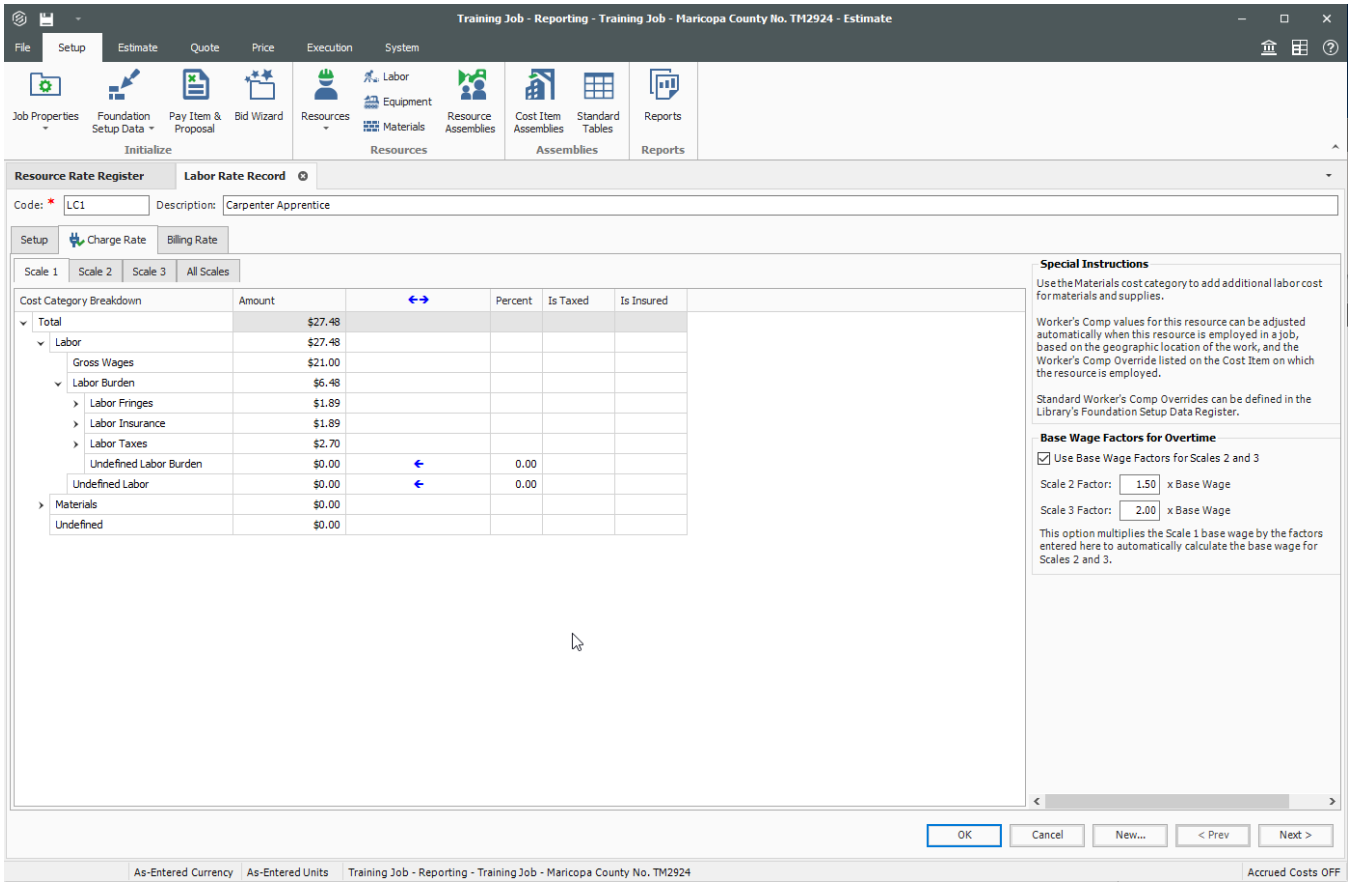


Figure 2: Resource Rate Record


Training Job - Reporting - Training Job - Maricopa County No. TM2924 - Estimate
File
Setup
Estimate
Quote
Price
Execution
System
Job Properties
Foundation Setup Data
Pay Item & Proposal
Bid Wizard
Resources
Labor
Equipment
Materials
Resource Assemblies
Cost Item Assemblies
Standard Tables
Reports
Initialize
Resources
Assemblies
Reports
Resource Rate Register
Labor Rate Record
Code: * LC1
Description: Carpenter Apprentice
Setup
Charge Rate
Billing Rate
Scale 1
Scale 2
Scale 3
All Scales
Cost Category Breakdown
Amount
Percent
Is Taxed
Is Insured
Total $27.48
Labor $27.48
Gross Wages $21.00
Labor Burden $6.48
Labor Fringes $1.89
Labor Insurance $1.89
Labor Taxes $2.70
Undefined Labor Burden $0.00 0.00
Undefined Labor $0.00 0.00
Materials $0.00
Undefined $0.00
Special Instructions
Use the Materials cost category to add additional labor cost for materials and supplies.
Worker's Comp values for this resource can be adjusted automatically when this resource is employed in a job, based on the geographic location of the work, and the Worker's Comp Override listed on the Cost Item on which the resource is employed.
Standard Worker's Comp Overrides can be defined in the Library's Foundation Setup Data Register.
Base Wage Factors for Overtime
Use Base Wage Factors for Scales 2 and 3
Scale 2 Factor: 1.50 x Base Wage
Scale 3 Factor: 2.00 x Base Wage
This option multiplies the Scale 1 base wage by the factors entered here to automatically calculate the base wage for Scales 2 and 3.
OK
Cancel
New...
< Prev
Next >
As-Entered Currency
As-Entered Units
Training Job - Reporting - Training Job - Maricopa County No. TM2924
Accrued Costs OFF