

ObjectName	Element	Attribute	Char	Description	Values	Data Type
StudentMeal		StudentPersonal	R	The GUID of the student to whom this object is		RefID
StudentMeal	MealStatus		O	This gives information about a student's meal		Check Payload
StudentMeal		Type	R	Meal Status	Free , Reduced , None , NA , "None" refers to paid students. In SIF objects where the MealStatus is required and	token
StudentMeal	MealStatus/StartDate		O	Date on which meal status became effective		Date
StudentMeal	MealStatus/EndDate		O	Date on which meal status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the StartDate attribute		Date
StudentMeal	SchoolYear		O	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2004" for		Year
StudentMeal	LastBrkDate		O	Date that the student last had breakfast.		Date
StudentMeal	LastLunDate		O	Date that the student last had lunch.		Date
StudentMeal	Cash		O	The student's cash balance. (Deprecated)		decimal
StudentMeal	BrkCredits		O	Number of breakfast credits remaining.		integer
StudentMeal	LunCredits		O	Number of lunch credits remaining.		integer
StudentMeal	LastBreakfastDate		O	Last reimbursable breakfast served date		Date
StudentMeal	LastLunchDate		O	Last reimbursable lunch served date		Date
StudentMeal	AmountEx		OR	Amount		Check Payload
StudentMeal		Type	R	Type of amount. The currency unit is implied; namely USD. Note that when this common element is used not all of the following values apply. There are notes to indicate values that	Cash , BreakfastCredit , LunchCredit	token
StudentMeal		Quantity	R	Number of credits. This attribute is does not apply to cash or value and hence has a value "0". It only applies to types BreakfastCredit and		decimal
StudentMeal	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceItem		RefId	R	GUID that identifies this item		RefID
FoodserviceItem	LocalId		M	Item number as presented to user. Refer to		token
FoodserviceItem	Description		O	Description of Item		normalizedString
FoodserviceItem	ElectronicId		OR	Barcode, Magstripe or PIN associated with this item. Refer to 5.1.7 ElectronicId.		Common Element

FoodserviceItem	ItemCategory		O	The category is derived from the Child Nutrition Database's food category codes/names (Source: Food Category Name File [CNDB]). Agents may use the actual codes or a district's local definition of the names associated with the codes. The Child Nutrition Database [CNDB] is updated.		normalizedString
FoodserviceItem	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceItemUnit		Refld	R	GUID that identifies this unit		RefID
FoodserviceItemUnit	FoodserviceItemRefld		M	GUID that identifies related item		RefID
FoodserviceItemUnit	Description		M	Description of unit ("cup", "teaspoon", etc.)		normalizedString
FoodserviceItemUnit	MeasureDescriptionCode		M	Child Nutrition Database [CNDB] standard code describing unit. The database is updated		normalizedString
FoodserviceItemUnit	GramWeight		M	Gram weight of this item in terms of		decimal
FoodserviceItemUnit	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceItemPortion		Refld	R	GUID that identifies this item's portion		RefID
FoodserviceItemPortion	FoodserviceItemUnitRefld		M	GUID that identifies related item portion		RefID
FoodserviceItemPortion	ItemPortionQuantity		M	Quantity of item portion (number of units)		decimal
FoodserviceItemPortion	ItemPortionType		M	Type of item unit	Component , Entree , AlaCarte , Bonus , Combo , NonFood	token
FoodserviceItemPortion	Description		O	Optional description of amount		normalizedString
FoodserviceItemPortion	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceReimbursementRates		Refld	R	GUID that identifies this object.		RefID
FoodserviceReimbursement	SchoolInfoRefld		M	GUID that identifies the school.		RefID
FoodserviceReimbursement	StartDate		M	Effective start date for the reimbursement		Date
FoodserviceReimbursement	EndDate		M	Effective end date for the reimbursement rates		Date
FoodserviceReimbursement	Program		M	Refer to 5.1.23 Program.		Common Element
FoodserviceReimbursement	Agency		MR	Reimbursing agency		Check Payload
FoodserviceReimbursementRates		Type	R	Type of the reimbursing agency.	Federal , State , Local , Other	token
FoodserviceReimbursementRates		Name	R	The name of the reimbursing agency. This attribute is to be used when the Type is set as Other. The value of the attribute is set to "NA"		normalizedString
FoodserviceReimbursement	Agency/Rate		MR	Reimbursement Rate of the meal		Check Payload

FoodserviceReimbursementRates		SevereNeed	R	Severe need identifier for the rate. When SevereNeed is "Yes" then the rate shown is the combined rate.	Yes , No , NA , For certain programs the severe need identifier does not apply. In such cases the value "NA" should be	token
FoodserviceReimbursementRates		Value	R	The rate value		decimal
FoodserviceReimbursement Agency/Rate/MealStatus			M	This gives information about a student's meal		Defined Above
FoodserviceReimbursementRates		Type	R	Meal Status	Free , Reduced , None , NA , "None" refers to paid students. In SIF objects where the MealStatus is required and	Defined Above
FoodserviceReimbursement Agency/Rate/MealStatus/StartDate			O	Date on which meal status became effective		Defined Above
FoodserviceReimbursement Agency/Rate/MealStatus/EndDate			O	Date on which meal status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the StartDate attribute		Defined Above
FoodserviceReimbursement SIF_ExtendedElements			O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceMealPrices		RefId	R	GUID that identifies this meal price.		RefID
FoodserviceMealPrices	SchoolInfoRefId		M	GUID that identifies the school this meal price		RefID
FoodserviceMealPrices	Program		M	Refer to section 5.1.23 Program.		Common Element
FoodserviceMealPrices	Price		MR	Price of the meal		Check Payload
FoodserviceMealPrices		Value	R	The price value		decimal
FoodserviceMealPrices	Price/MealStatus		M	This gives information about a student's meal		Defined Above
FoodserviceMealPrices		Type	R	Meal status	Free , Reduced , None , NA , "None" refers to paid students. In SIF objects where the MealStatus is required and	Defined Above
FoodserviceMealPrices	Price/MealStatus/StartDate		O	Date on which meal status became effective		Defined Above
FoodserviceMealPrices	Price/MealStatus/EndDate		O	Date on which meal status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the StartDate attribute		Defined Above
FoodserviceMealPrices	Price/MealType		M	This gives information about a meal type		Check Payload
FoodserviceMealPrices		Type	R	Meal Type	FirstMeal , SecondMeal , StaffMeal , AdultMeal , AlaCarte	token
FoodserviceMealPrices	Price/GradeLevels		M	Refer to section 5.1.12 GradeLevels.		Common Element
FoodserviceMealPrices	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
StaffMeal		StaffPersonalRef	R	The GUID of the staff to whom this object is		RefID
StaffMeal	EarnedStatus		M	This gives information about a staff member's		Check Payload
StaffMeal		Type	R	Earned status	Yes , No , NA , In SIF objects where the EarnedStatus is required and does not	token
StaffMeal	EarnedStatus/StartDate		O	Date on which earned status became effective		Date

StaffMeal	EarnedStatus/EndDate		O	Date on which earned status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the startdate attribute		Date
StaffMeal	LastBreakfastDate		M	Last breakfast served date		Date
StaffMeal	LastLunchDate		M	Last lunch served date		Date
StaffMeal	AmountEx		MR	Amount.		Defined Above
StaffMeal		Type	R	Type of amount. The currency unit is implied; namely USD. Note that when this common element is used not all of the following values apply. There are notes to indicate values that	Cash , BreakfastCredit , LunchCredit	Defined Above
StaffMeal		Quantity	R	Number of credits. This attribute is does not apply to Cash or Value and hence has a value "0". It only applies to types BreakfastCredit and		Defined Above
StaffMeal	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceTransaction		RefId	R	GUID that identifies food service transaction		RefID
FoodserviceTransaction	SchoolInfoRefId		M	GUID that identifies the school/site of account		RefID
FoodserviceTransaction	Program		M	Program. For a description of this element, see		Common Element
FoodserviceTransaction	TransactionDate		M	Date of transaction		Date
FoodserviceTransaction	TransactionTime		M	Time of transaction. See the SIF_Time information in section 4.1.1 SIF_Header		Time
FoodserviceTransaction	TransactionType		MR	Type of transaction		Check Payload
FoodserviceTransaction		Type	R		Purchase , Prepayment , Refund , Repayment , Adjustment	token
FoodserviceTransaction	FSCustomerId		M	The customer doing the transaction. The customer can be student, staff or any other person.		Check Payload
FoodserviceTransaction		Type	R	SIF customer type.	StudentPersonalRefId , StaffPersonalRefId , Other , If the type is StaffPersonalRefId then EarnedStatus is included. If the type is	token
FoodserviceTransaction		Value	C	GUID of the SIF customer type.		RefID
FoodserviceTransaction	FSCustomerId/MealStatus		C	This gives information about a student's meal status. Either MealStatus or EarnedStatus must be specified (see above). Both must not		Defined Above
FoodserviceTransaction		Type	R		Free , Reduced , None , NA , "None" refers to paid students. In SIF objects where the MealStatus is required and	Defined Above
FoodserviceTransaction	FSCustomerId/MealStatus/StartDate		O	Date on which meal status became effective		Defined Above

FoodserviceTransaction	FSCustomerId/MealStatus/EndDate		O	Date on which meal status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the StartDate attribute		Defined Above
FoodserviceTransaction	FSCustomerId/EarnedStatus		C	This gives information about a customer's meal status. Either MealStatus or EarnedStatus must be specified (see above).		Defined Above
FoodserviceTransaction		Type	R	Earned Status	Yes , No , NA , In SIF objects where the EarnedStatus is required and does not	Defined Above
FoodserviceTransaction	FSCustomerId/EarnedStatus/StartDate		O	Date on which earned status became effective		Defined Above
FoodserviceTransaction	FSCustomerId/EarnedStatus/EndDate		O	Date on which earned status was last in effect. This attribute is conditional upon the StartDate attribute. It exists only if the startdate attribute		Defined Above
FoodserviceTransaction	AmountEx		M	Amount.		Defined Above
FoodserviceTransaction		Type	R	Type of amount. The currency unit is implied; namely USD. Note that when this common element is used not all of the following values apply. There are notes to indicate values that	Cash , BreakfastCredit , LunchCredit , Check , CreditCard , ACH , Value	Defined Above
FoodserviceTransaction		Quantity	R	Number of credits. This attribute is does not apply to Cash or Value and hence has a value "0". It only applies to types BreakfastCredit and		Defined Above
FoodserviceTransaction	Tax		O	Amount of tax. Note: Final amount is		decimal
FoodserviceTransaction	Description		O	Description of the Transaction		normalizedString
FoodserviceTransaction	Voided		R	This flag tells us if the transaction is voided.	Yes , No	Boolean Yes/No
FoodserviceTransaction	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceTransactionDetails		RefId	R	GUID that identifies transaction details		RefID
FoodserviceTransactionDet:	FoodserviceTransactionRefId		M	GUID that identifies food service transaction		RefID
FoodserviceTransactionDet:	AmountEx		MR	Amount. This amount refers to the funds being directed inwards/outwards from the customer's account. That is: these amounts reflect the		Defined Above
FoodserviceTransactionDetails		Type	R	Type of amount. The currency unit is implied; namely USD. Note that when this common element is used not all of the following values apply. There are notes to indicate values that	Cash , BreakfastCredit , LunchCredit	Defined Above
FoodserviceTransactionDetails		Quantity	R	Number of credits. This attribute is does not apply to cash or value and hence has a value "0". It only applies to types BreakfastCredit and		Defined Above
FoodserviceTransactionDet:	Description		O	Description		normalizedString
FoodserviceTransactionDet:	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceTransactionPayMethod		RefId	R	GUID that identifies the payment		RefID
FoodserviceTransactionPay	FoodserviceTransactionRefId		M	GUID that identifies food service transaction		RefID

FoodserviceTransactionPay	TransactionPayMethod		MR	Transaction method		Check Payload
FoodserviceTransactionPayMethod	Type		R	This refers to the way the payment was made.	Payment , Refund , Charge , Usage	token
FoodserviceTransactionPay	TransactionPayMethod/AmountEx		MR	Amount This amount is the form of the incoming funds for this transaction. For		Defined Above
FoodserviceTransactionPayMethod	Type		R	Type of amount. The currency unit is implied; namely USD. Note that when this common element is used not all of the following values apply. There are notes to indicate values that	Cash , BreakfastCredit , LunchCredit , ACH , Check , CreditCard	Defined Above
FoodserviceTransactionPayMethod	Quantity		R	Number of credits. This attribute is does not apply to cash or value and hence has a value "0". It only applies to types BreakfastCredit and		Defined Above
FoodserviceTransactionPay	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceSales		RefId	R	GUID that identifies the daily meal sales object		RefID
FoodserviceSales	SchoolInfoRefId		M	School for which the sales object applies		RefID
FoodserviceSales	Date		M	Date on which the sales occurred.		Date
FoodserviceSales	Program		M	Refer to section 5.1.23 Program.		Common Element
FoodserviceSales	SalesAmount		MR	Dollar value (count * cost per unit) done for all grade levels		Check Payload
FoodserviceSales	Type		R	Type of SalesAmount. This denotes the form of incoming funds for the sales done.	Cash , Account , Charged , Earned	token
FoodserviceSales	AccountType		R	Type of account to which sales amounts apply.	PrepaidCash , BreakfastCredit , LunchCredit , NA , The AccountType is set to NA when Type is set as Earned.	token
FoodserviceSales	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FoodserviceItemSales		RefId	R	GUID that identifies this object		RefID
FoodserviceItemSales	SchoolInfoRefId		M	GUID that identifies the school for this object		RefID
FoodserviceItemSales	Date		M	Date of sales		Date
FoodserviceItemSales	Program		M	Refer to section 5.1.23 Program.		Common Element
FoodserviceItemSales	ItemQuantity		MR	Quantity of item amounts sold		Check Payload

FoodserviceItemSales		FoodserviceItemRefId	R	GUID of FoodserviceItemPortion object		RefID
FoodserviceItemSales		Value	R	The value of item quantity		decimal
FoodserviceItemSales	ItemQuantity/MealType		M	This gives information about a meal type		Defined Above
FoodserviceItemSales		Type	R	Meal Type	FirstMeal , SecondMeal , StaffMeal , AdultMeal , AlaCarte	Defined Above
FoodserviceItemSales	ItemQuantity/GradeLevels		M	Refer to section 5.1.12 GradeLevels.		Common Element
FoodserviceItemSales	ItemQuantity/Cost		O	The cost (dollar value) of the item sold.		decimal
FoodserviceItemSales	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
AccountingPeriod		RefId	R	GUID that identifies this accounting period.		RefID
AccountingPeriod	AccountingPeriodName		M	Name of the accounting period.		normalizedString
AccountingPeriod	Description		O	Description		normalizedString
AccountingPeriod	FiscalYearRefId		M	Fiscal year to which this accounting period		RefID
AccountingPeriod	StartDate		M	Start date of the accounting period.		Date
AccountingPeriod	EndDate		M	End date of the accounting period.		Date
AccountingPeriod	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FinancialAccount		RefId	R	GUID that identifies this financial account.		RefID
FinancialAccount	AccountNumber		M	Account number used for ledger.		token
FinancialAccount	FinancialAccountName		M	Name of the account.		normalizedString
FinancialAccount	Description		O	Description.		normalizedString
FinancialAccount	FinancialClassRefId		M	Financial class of the account.		RefID
FinancialAccount	CreationDate		M	Account creation date. See definition of		Date
FinancialAccount	CreationTime		M	Account creation time. See definition of		TimeWithZone
FinancialAccount		Zone	R			
FinancialAccount	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FinancialAccountAccountingPeriodLocationInfo		RefId	R	GUID that identifies this object.		RefID
FinancialAccountAccounting	FinancialAccountRefId		M	Financial account reference.		RefID
FinancialAccountAccounting	AccountingPeriodRefId		M	Accounting period reference.		RefID
FinancialAccountAccounting	LocationInfoRefId		M	LocationInfo reference.		RefID
FinancialAccountAccounting	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FinancialClass		RefId	R	GUID that identifies this financial class.		RefID
FinancialClass	FinancialClassName		M	Name of the financial class.		normalizedString
FinancialClass	Description		O	Description.		normalizedString
FinancialClass	ClassType		M		Asset , Liability , Revenue , Expense	token
FinancialClass	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FinancialIncomeStatement		RefId	R	GUID that identifies this income statement.		RefID
FinancialIncomeStatement	GenerationDate		M	Generation date. See the SIF_Date definition.		Date
FinancialIncomeStatement	GenerationTime		M	Generation time. See the SIF_Time definition.		TimeWithZone
FinancialIncomeStatement		Zone	R			
FinancialIncomeStatement	LocationInfoRefId		M	LocationInfo reference.		RefID
FinancialIncomeStatement	FISPeriod		M	Period of the income statement.		Check Payload
FinancialIncomeStatement		StartDate	R	Start date.		Date
FinancialIncomeStatement		EndDate	R	End date.		Date

FinancialIncomeStatement	FISAmount		MR	Amount in the account.		Check Payload
FinancialIncomeStatement		FinancialAccount	R	FinancialAccountAccountingPeriodLocationInf		RefID
FinancialIncomeStatement		FinancialClassRe	R	Class of the financial account.		RefID
FinancialIncomeStatement	Program		O	See 5.1.23 Program.		Common Element
FinancialIncomeStatement	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FinancialTransaction		RefId	R	GUID that identifies this financial transaction.		RefID
FinancialTransaction	TransactionDate		M	Transaction date. See SIF_Date definition.		Date
FinancialTransaction	TransactionTime		M	Transaction time. See SIF_Time definition.		TimeWithZone
FinancialTransaction		Zone	R			
FinancialTransaction	FTAmount		MR	Dollar amount of the transaction.		Check Payload
FinancialTransaction		FinancialAccount	R	Account.		RefID
FinancialTransaction		Type	R		Debit , Credit	token
FinancialTransaction	Program		O	See 5.1.23 Program.		Common Element
FinancialTransaction	Description		O	Description.		normalizedString
FinancialTransaction	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element
FiscalYear		RefId	R	GUID that identifies this object.		RefID
FiscalYear	Description		O	A description of the fiscal year.		normalizedString
FiscalYear	StartDate		M	Start date of the fiscal year.		Date
FiscalYear	EndDate		M	End date of the fiscal year.		Date
FiscalYear	SIF_ExtendedElements		O	See 5.1.28 SIF_ExtendedElements.		Common Element

Repeating	Primary Key	Payload
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		No
Yes	Type	Yes. The amount value. Refer SIF 1.5r1 Spec.
Yes	?	

Yes Type Yes. The subelements are the payload. Refer 1.5r1 spec.

Yes SevereNeed, MealStatus Yes. The subelements are the payload. Refer 1.5r1 spec.

Yes

MealStatus,
MealType,
GradeLevels

Yes. The
subelements
are the
payload.
Refer 1.5r1
spec.

No.

No.

Yes Type

Yes Type No.

Yes. The subelements are the payload. Refer 1.5r1 spec.

Yes

Type

Yes	Type	Yes. The subelements are the payload. Refer 1.5r1 spec.
Yes	Type	
Yes	Type, AccountType	Yes. The amount value. Refer SIF 1.5r1 Spec.
Yes	FoodserviceItemPortionRefId	Yes. The subelements are the payload. Refer 1.5r1 spec.

No.

Yes FinancialAcco Yes. The
untAccounting amount value.
PeriodLocatio Refer SIF
nInfoRefId, 1.5r1 Spec.
FinancialClas
sRefId

Yes FinancialAcco Yes. The
untAccounting amount value.
PeriodLocatio Refer SIF
nInfoRefId, 1.5r1 Spec.
Type