Order value fields and calculation

	Field	Calculation	Comments
Order line	quantity	= originalQuantity - Cancelled Quantity	Actually purchased quantity, it will be used for order line cost calculation
	originalQuantity	= quantity	It equals to quantity when there's no cancellation
	unitPrice	= product selling price when there's no price override and "Including VAT" setting is OFF	Copy from product service
	unitPriceWithTax	= product selling price when there's no price override and "Including VAT" setting is ON	Copy from product service
	lineTax	Get quote from tax service provider (e.g Avalara)	Depends on lineSubTotal - lineTotalDiscount (and ship-from and ship-to address)
	lineTaxPercent	Get quote from tax service provider (e.g Avalara)	
	lineShFee	Distribute shFee equally to order lines for non-division or single-division order; Distribute divisionShFee equally to order lines for shared cart order;	Bring back in Sprint 80 (Apr.13-24, 2020)
	lineShFeeTax	Distribute shFeeTax equally to order lines for non-division or single-division order; Distribute divisionShFeeTax equally to order lines for shared cart order;	Introduced in Sprint 80 (Apr.13-24,2020)
	lineShFeeTaxPercent	Replicate shFeeTaxPercent from order for non-division and single division- order; Replicate divisionShFeeTaxPercent from division for shared cart order;	Introduced in Sprint 80 (Apr.13-24,2020)
	lineShFeeWithTax	Distribute shFeeWithTax equally to order lines for non-division or single-division order; Distribute divisionShFeeWithTax equally to order lines for shared cart order;	Introduced in Sprint 80 (Apr.13-24, 2020)
	lineShFeeDiscount	Distribute shFeeDiscount equally to order lines for non-division or single-division order; Distribute divisionShFeeDiscount equally to order lines for shared cart order;	Introduced in Sprint 83 (May.25-June.05, 2020)
	unitDiscount	= lineDiscount/quantity	
	lineDiscount	Aggregated discounts explicitly applied to order lines	
	lineOrderDiscount	Aggregated prorated discount for each order line	
	lineSubTotal	= unitPrice * quantity	No discount
	lineSubTotalWithTax	= unitPriceWithTax* quantity	
	lineSellingSubTotal	= lineSubTotal - lineDiscount	
	lineSellingSubTotalWithTax	= lineSubTotalWithTax - lineDiscount	
	lineTotalDiscount	= lineDiscount + Aggregated prorated order level discount	
	lineTotal	= lineSubTotal - lineTotalDiscount + lineTax + lineShFee + lineShFeeTax - lineShfeeDiscount (or lineSubTotalWithTax + lineShFeeWithTax - lineTotalDiscount - lineShfeeDiscount)	The change of lineTotal definition should go with reverted charging solution
shFee	Get the shipping fee from shipping service	Depends on subTotal -totalDiscount(aggregate via lineShFeeDiscount)	
shFeeTax	shipping fee tax		
shFeeTaxPercent	shipping fee tax percent	Keep it null for shared cart order	
shFeeWithTax		= shFee + shFeeTax (Depends on subTotalWithTax - totalDiscount (aggregate via lineShFeeDiscount))	
subTotal	= sum of lineSubTotal of all orderlines		
subTotalWithTax	= sum of lineSubTotalWithTax of all orderlines		

sellingSubTotal	= sum of lineSellingSubTotal		
sellingSubTotalWithTax	= sum of lineSellingSubTotalWithTax		
tax	= sum of (lineTax) + shFeeTax		
total	= subTotal - totalDiscount + tax + shFee (or subTotalWithTax - totalDiscount + shFeeWithTax)		
returnTotal	= line of return total on return records		
orderDiscount	Aggregated discounts explicitly applied to order = sum of lineOrderDiscount		
Discount	= sum of lineDiscount		
totalDiscount	= sum of lineTotalDiscount		
Return Order Line	**returnTax**	**Product Return:** if returnQuantity == returnableQuantity returnTax = returnableTax if returnQuantity < returnableQuantity returnTax = returnableTax * returnQuantity/returnableQuantity	**returnableTax:** lineTax- LineTotalReturnedTax
		Shipping Fee Return: returnTax = shFeeTax	
	refundTotal	**Product Return:** if returnQuantity == returnableQuantity refundTotal = returnableTotal + returnableTax if returnQuantity < returnableQuantity refundTotal = returnableTotal * returnQuantity/returnableQuantity	**returnableTotal:** lineTotal- lineReturnedTotal - manualOrderReturnedTotal-lineShFeeWithTax-lineShFeeDiscount-returnableTax if there are some manual return on the line: manualOrderReturnedTotal = the sum of the manual return value on the line if there is no manual return on the line: manualOrderReturnedTotal = 0
		Shipping Fee Return: refundTotal = shFee + shFeeTax	
		Manual Adjustment: request adjustment can not beyond returnableAmount refundTotal = request adjustment	**returnableAmount:** line of max (returnableTotal)

Value calculation sequence:

Order Line	Order
1. lineSubTotal (or lineSubTotalWithTax) 2. All applicable explicit order line discounts 3. lineDiscount 4. unitDiscount 5. lineSellingSubTotal (or lineSellingSubTotalWithTax)	6. subTotal (or subTotalWithTax) 7. Discount 8. sellingSubTotal (or sellingSubTotalWithTax) 9. All applicable explicit order discounts 10. orderDiscount 11. totalDiscount

12. Calculate prorated orderDiscount for each order line (lineOrderDiscount) 13. lineTotalDiscount 14. lineShFee(or lineShFeeWithTax) for shared-cart order, lineShFeeDiscount for tactic 15. lineTax 16. lineShFeeTax for shared-cart order 18. Fill out lineXxxWithTax from xxx or vice versa.	14. shFee (or shFeeWithTax) which applied shfee discount(aggregate via lineShFeeDiscount) for non-division order or single-division order; 16. shFeeTax for non-division order or single-division order; 17. tax 18. Fill out xxxWithTax from xxx or vice versa.
19. lineTotal	20.total

Sample order payload:

Order Promotion Design