

New Zealand

Created by Former Member on Aug 04, 2016

NZ1 Good and service tax (GST).

GST format:	[C1 C2 C3 C4 C5 C6 C7] [C1 C2 C3 C4 C5 C6 C7 C8]	Where C1 to C7 are digits. Where C1 to C7 are digits.
Range:	C1...C8	Numeric. More than 10 000 000 and less than 150 000 000.
Rules:	C8	<p>1- Form the eight digit base number:</p> <ul style="list-style-type: none"> Remove the trailing check digit. If the resulting number is seven digits long, pad to eight digits by adding a leading zero. <p>2- Calculate the check digit:</p> <ul style="list-style-type: none"> To each of the base number's eight digits a weight factor is assigned. From left to right these are: 3, 2, 7, 6, 5, 4, 3, 2 Sum together the products of the weight factors and their associated digits. Divided the sum by 11. If the remainder is 0, the calculated check digit is 0. If the remainder is not 0, subtract the remainder for 11, giving the calculated check digit. If the caculated check digits is in the range 0 to 9, go to step 4. If the calculated check digit is 10, continue with step 3. <p>3- Re-calculate check digit:</p> <ul style="list-style-type: none"> To each of the base number's eight digits a secondary weight factor is assigned. From left to right these are: 7, 4, 3, 2, 5, 2, 7, 6. Sum together the products of the weight factors and the associated digits. Divide the sum by 11. If the remainder is 0, the calculated check digit is 0. If the remainder is not 0 then subtract the remainder for 11, giving the 00 calculated check digit. If the calculated check digit is 10, the IRD number is invalid. <p>4- Compare the check digit:</p> <ul style="list-style-type: none"> Compare the calculated check digit to the last digit of the original IRD number. If they match, the IRD is valid.
Sample:	49091850	<p>The base number is 49091850 and the supplied check digit is 0.</p> <p>The number is greater than 10000000. Using the weightings above: $(0*3)+(4*2)+(9*7)+(0*6)+(9*5)+(1*4)+(8*3)+(5*2)=154$.</p> <p>$154/11=14$ remainder 0.</p> <p>The remainder 0= Check digit 0, so no further calculations is necessary.</p>
GST details:	http://www.ird.govt.nz/gst/gst-index.html	

No labels

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