Name of Data Element : Measurement (G00.02)	

Description of Data Element	**Measurement** is defined as the process of ascertaining dimensions (distance, area, volume) & quantity (weight) in the Metric system.
	
	 For the purpose of uniformity, two decimal places have been standardized for this generic data element across the domain applications, and maximum size has been "p" marked:
	 Measurement of Distance in:
	   Meters (Meters) G00.02-11
	   Kilometers (km) G00.02-12
	   Centimeter (cm) G00.02-13
	   Millimeters (mm) G00.02-14
	 Measurement of Area in:
	   Square Meters (Sq.meter) G00.02-21
	   Square Kilometers(Sq.km) G00.02-22
	   Square Centimeters(Sq.cm) G00.02-23
	   Square Millimeters (Sq.mm) G00.02-24
	   Hectares G00.02-25
	 Measurement of Volume in:
	   Cubic Meters (Cu.meter) G00.02-31
	   Cubic Kilometers (Cu.km) G00.02-32
	   Cubic Centimeters(Cu.cm) G00.02-33
	   Cubic Millimeters (Cu.mm) G00.02-34
	 Measurement of Weight in:
	   Grams(Grams) G00.02-41
	   Kilograms (kg) G00.02-42
	   Quintal(q) G00.02-43
	
	 Note: basic unit of measurement is Meter / Gram. More instances can be added for storage of measurement in other units, in future.

Data Element Type (Generic / Custom)	Generic
Is part of any	
Parts if any	
Data Format	Decimal(p,3)
Max Size	Value of "p", the maximum size of the data element, would be decided by a domain depending upon the specific requirements of the applications in that domain.
Validation	
Values	
Default value	
Owner	Government of India, Department of Information Technology

Based on	SI units, ISO 1000:1992, and as decided by the Expert Committee for MDDS
Version	1.1
Status	Accepted
Date agreed	
Verification	
Comments	Specific to Land Region Codification: Since various states conventionally maintain area of land regions in different units, the Measurement conversion directory(CD.00.01) may be used for this purpose
Date of Publication	16/11/2011

Example:

 Area of Tahsil in Square Kilometers is 55673.000

Table of domain wise Standardization of value of "p" for Generic data element: Measurement of Area in Square Kilometers (G00.02-22)

Domain Name	Value of p	Data Format
Land Region	15	Decimal(15,3)

Note: The above table will go on expanding based on Standardization of values of "p" for different domains