

[CCB-16] Add new units of "wave number" (number of waves per unit distance, i.e., inverse length). Created: 08/Jul/13 Updated: 09/Jul/13	
Status:	Open
Project:	PDS4 Standards Change Control Board
Component/s:	Information Model
Affects Version/s:	None
Fix Version/s:	None

Type:	Enhancement / Improvement	Priority:	Urgent
Reporter:	Elizabeth Rye	Assignee:	Emily Law
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Title :	Add new unit Units_of_Wave_Number
target date:	30/Aug/13

Description

The Spectra discipline dictionary handles three types of data: frequency, wavelength, and wave number. We already have units for frequency and wavelength, but not for wave number. This SCR requests the addition of these units. The definition for this unit class is "the number of waves that occur per unit distance, i.e., inverse length". The unit values to be included initially are "**nm⁻¹**", "**cm⁻¹**", and "**m⁻¹**".

Comments

Comment by Mark Showalter [09/Jul/13]
"Wavenumber" should always be one word.
Comment by Elizabeth Rye [09/Jul/13]
Hi Mark. Every dictionary I've checked lists it as two words. However, Wikipedia says "wavenumber (also wave number)" (although I note that the article originally used two words, based on the name of the web page). I would accept either form.
Comment by Elizabeth Rye [09/Jul/13]
Okay, the American Physical Society and International Union of Pure and Applied Chemistry both use "wavenumber", so let's go with one word.

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