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Subject: Re: 6-1-75-6 W5M --> LOCAL GRID  
Posted by [btt](#) on Tue, 27 Mar 2001 13:43:37 GMT  
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Hi Mark,

I have not heard of such a system of conversions,... but, it's not clear to me what the 'land' coordinates of points A, B and C mean. There is code to convert between Lon/Lat in decimal degrees to UTM coords in meters. From the UTM coordinate system you can then get relative range/azimuth values between the points. You might even be able to translate the UTM coords to the Canadian equivalent of the US State Plane coordinate systems.

Perhaps you could provide more details about these coordinate systems.

Ben

Mark Chan wrote:

>  
> GIVEN:  
> Point A @ 6-1-75-6 W5M (Take this to be the origin. Some where in Canada).  
> Point B @ 1-1-75-6 W5M  
> Point C @ 16-1-75-6 W5M  
>  
> QUESTIONS TO BE ANSWERED:  
> What is the distance between A and B?  
> Ans: B is 5 miles east of A.  
>  
> What is the distance between A and C?  
> Ans:  $\sqrt{5^2+5^2}$ . C is NE of A.  
>  
> Etc. calculation like these.  
>  
> QUESTION FOR IDL EXPERTS:  
> Is there a public domain IDL routine to do the conversion between the land  
> system above to local coordinate?  
>  
> Thanks in advance,  
> Mark Chan

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