

## Re: Unchecked\_Conversion and task pointer.

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*Source:* <http://coding.derkeiler.com/Archive/Ada/comp.lang.ada/2005-07/msg00206.html>

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- *From:* "Randy Brukardt" <[randy@xxxxxxxxxxxxxxxx](mailto:randy@xxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 11 Jul 2005 13:28:42 -0500
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"Dmitry A. Kazakov" <[mailbox@xxxxxxxxxxxxxxxx](mailto:mailbox@xxxxxxxxxxxxxxxx)> wrote in message [news:tb8600lfqd2z.119etgzsgcls2.dlg@xxxxxxxxxxxxxxxx](mailto:news:tb8600lfqd2z.119etgzsgcls2.dlg@xxxxxxxxxxxxxxxx)

....

>> You can declare a task interface in Ada 200Y:  
>>  
>> type T\_Int is task interface;  
>>  
>> I probably should have done that in my example.  
>  
> Can a task interface have entries?

No, there are no stand-alone entries. But a procedure can match an entry and be called as an entry.

>> You are allowed to use the primitive procedures of an interface in a timed entry call, and they will work as an entry in that case.  
>  
> Does it mean that in Ada 200Y any procedure of an interface can be used as if it were an entry?

Any primitive procedure of an interface, yes. If it is not an entry, it is treated as if it is immediately open.

....

>> I wasn't (and am still not) convinced that this is the right design, but it certainly works and has the needed effects. I think there will be some confusion from a readability standpoint, but otherwise you can do everything with such a procedure that you can do with an entry (other than requeue it;  
>> no one can figure out how a dispatching requeue could work – it couldn't have been allowed if dispatching entries existed, either).  
>  
> Why? Ignoring misleading prefix notation can be ignored, to have a dispatching requeue, the target task or protected object of the entry must be class-wide:

Re: Unchecked\_Conversion and task pointer.

Well, you can't ignore the prefix (it determines whether it is an internal or external requeue). And I believe that there was another problem as well. (I don't remember what it was, sorry.) It certainly doesn't work with the "use a procedure like an entry" model, because it would make no sense to requeue on a procedure.

Randy.

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• *Follow-Ups:*

- ◆ **Re: Unchecked\_Conversion and task pointer.**

◇ From: Dmitry A. Kazakov

• *References:*

- ◆ **Unchecked\_Conversion and task pointer.**

◇ From: e.coli

- ◆ **Re: Unchecked\_Conversion and task pointer.**

◇ From: Dmitry A. Kazakov

- ◆ **Re: Unchecked\_Conversion and task pointer.**

◇ From: Randy Brukardt

- ◆ **Re: Unchecked\_Conversion and task pointer.**

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- Prev by Date: **OT: Greg and Colin? (was Re: GCC 4.0 Ada.Containers Cursor danger.)**

- Next by Date: **Re: GCC 4.0 Ada.Containers Cursor danger.**

- Previous by thread: **Re: Unchecked\_Conversion and task pointer.**

- Next by thread: **Re: Unchecked\_Conversion and task pointer.**

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