



**crow** rider

**WELCOME!**

**EVM**  
**PM BASICS**  
A CrowRider class

7-2

What is Earned Value?



















Earned Value Analysis:

the  
*Estimate At Completion*  
(EAC)



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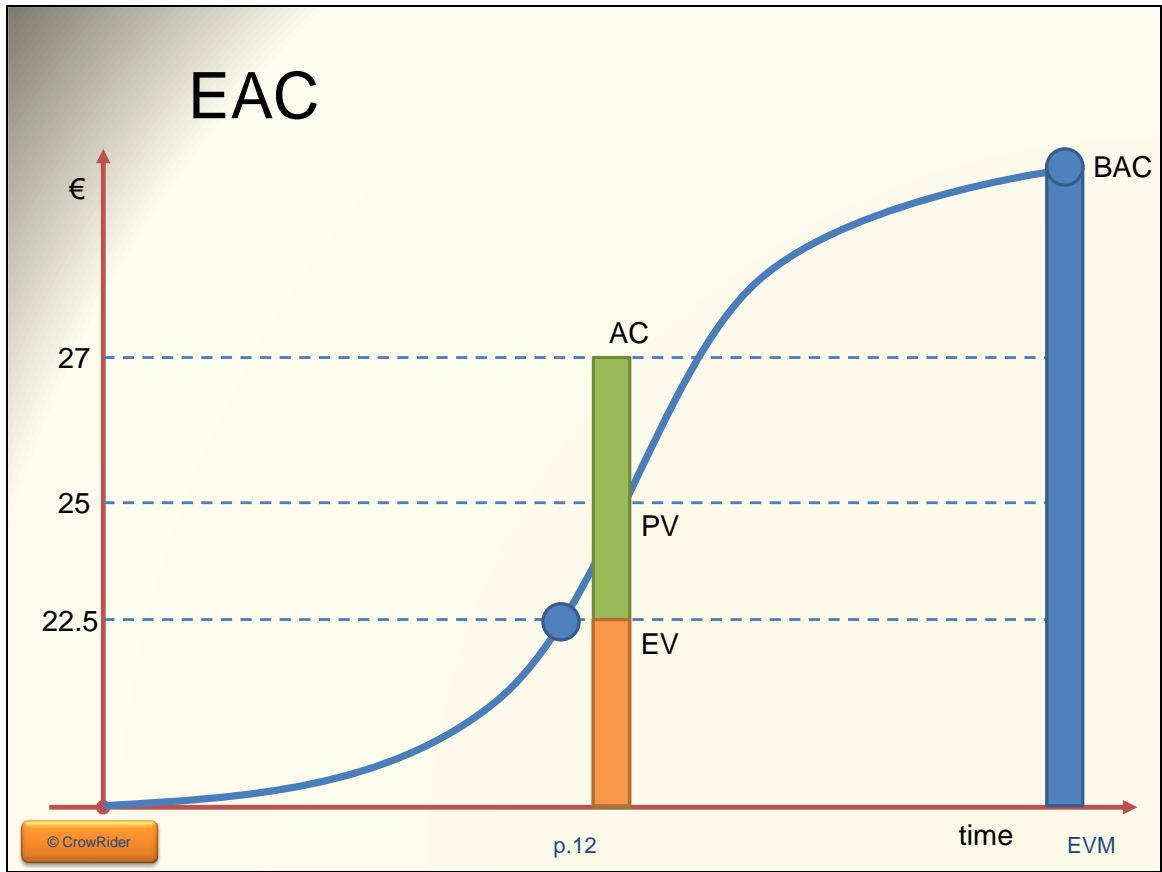
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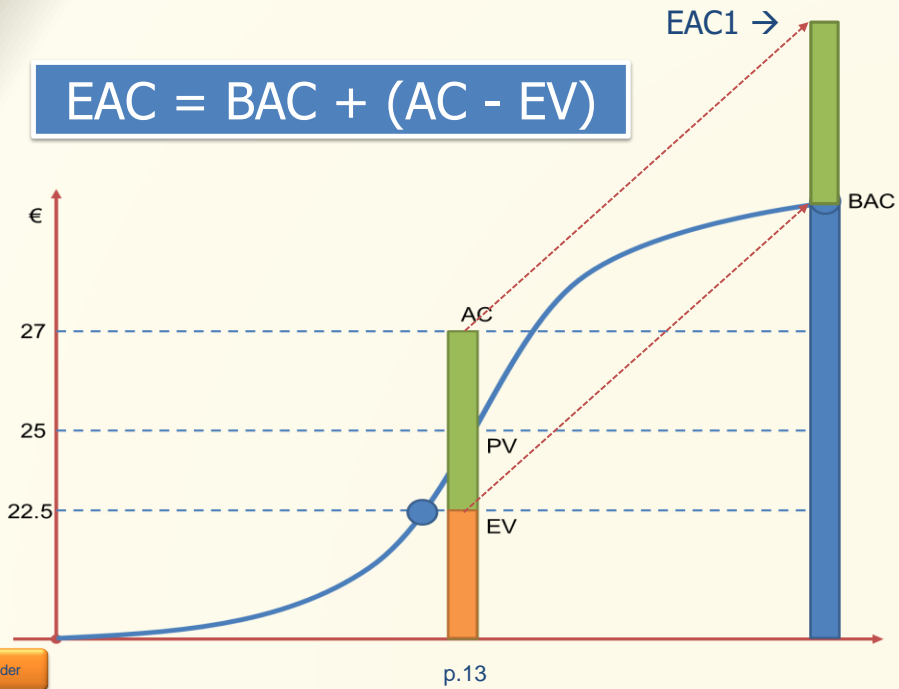
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# EAC 1... we can fix it!

$$EAC = BAC + (AC - EV)$$



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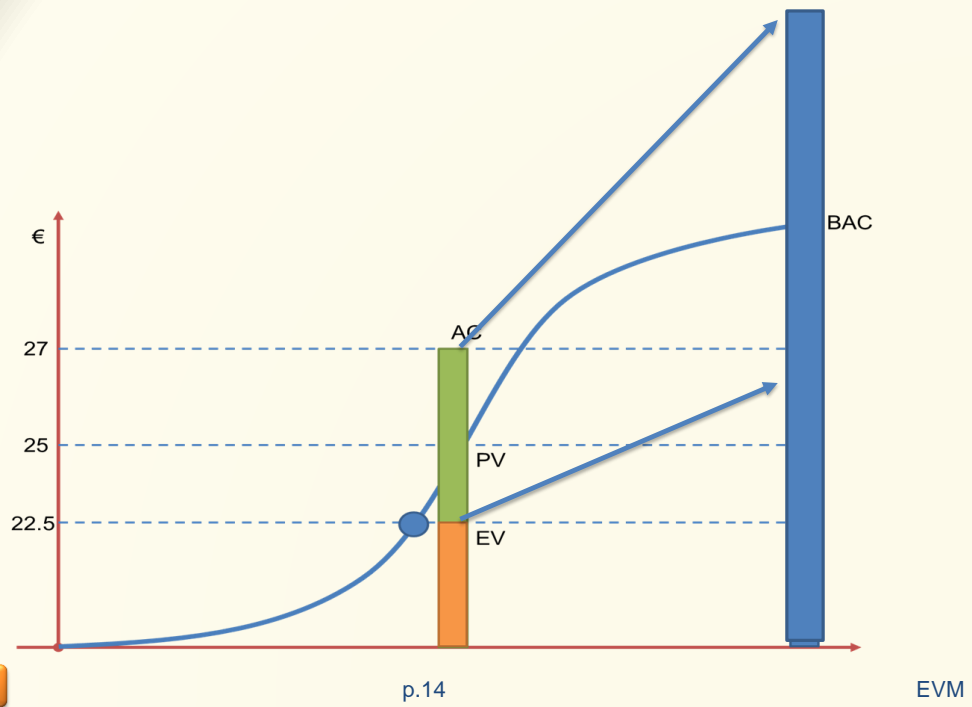
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# EAC 2... we cannot fix it!



© CrowRider

p.14

EVM

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## EAC 2... we cannot fix it!

$$EAC/BAC = AC/EV$$

$$EAC = BAC * (AC/EV)$$

$$EV/AC = CPI$$

$$EAC = BAC / CPI$$

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## oh,... and EAC 3

EAC1 can also be re-written in the following way:

$$EAC1 = BAC + (AC - EV) = AC + BAC - EV$$

Remember EAC2:

$$EAC2 = BAC/CPI$$

Including both CPI and SPI creates a worst-case scenario (if both are < 1):

### **EAC 3:**

$$EAC = AC + (BAC - EV)/(CPI * SPI)$$

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THANK  
YOU!