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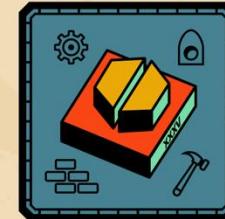


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FLL Challenge Updates

Updated September 16, 2025

更新6

(December 9th, 2025)

UPDATE 06 – MINESHAFT EXPLORER FIELD SETUP – The Mineshaft Explorer rail sits on a vertical support on the opposing field. The rail has two notches (circled in red) that can be used for support. Either notch can be used in order to keep the support vertical and within the designated range marked on the mat wireframe.



更新 06 – 矿井探險家任務設置 - 矿井探測器軌道位於對方場地的垂直支架上。軌道上有兩個凹槽（紅色圓圈處），可用於支撐，可以使用任一凹槽來保持垂直支撐，並使其保持於底圖線框上標記的指定範圍內。

更新5

(November 3rd, 2025)

UPDATE 05 – DECORATIVE MODEL ELEMENTS – Some mission models include decorative elements that are not essential to their function. These elements may occasionally become loose or fall off during normal gameplay. Teams are expected to design and operate their robots to avoid damaging mission models, but referees will give benefit of the doubt if decorative elements detach as a result of reasonable gameplay (see Rule 18 regarding model damage).

志工將盡一切努力確保所有裝飾元素到位，但部分元素可能缺失或在活動現場無法修復。策略依賴這些元素的隊伍應在比賽前檢查場地，如有任何缺失，請立即通知裁判。

更新 05 – 裝飾性模型零件 –部分任務模型包含一些並非其功能必需的裝飾性零件。這些部件在正常遊戲過程中可能會偶爾鬆動或脫落。參賽隊伍應在設計和操作機器人時避免損壞任務模型，但如果裝飾性零件因合理的遊戲操作而脫落，裁判會酌情處理（請參閱關於模型損壞的規則 18）。

更新4

(September 16th, 2025)

UPDATE 04 – MISSION 03: MINECART DELIVERY INTERRUPTION – If the minecart is successfully delivered to the opposing field and the opposing team interrupts their robot in a way that causes the minecart to be taken out of play by the referee, the delivery will still be counted as “on” the opposing team’s field. The delivering team earns points for the delivery and the bonus remains possible if both teams complete a successful delivery.

更新 04 – 任務 03：礦車運送中斷 – 如果礦車成功運送至對方場地，且對方隊伍以某種方式中斷其機器人，導致礦車被裁判判罰出場，則此次運送仍將計為「在」對方場地。運送礦車的隊伍將獲得積分，並且如果雙方隊伍都成功運送礦車，則仍有機會獲得獎勵。

更新3

(August 5th, 2025)

UPDATE 03 – MISSION 02: TOPSOIL CLEARING CRITERIA – Mission 02 includes three topsoil sections, each requiring a unique action to be considered cleared:

- One section (identified by its loop) must be completely removed, so it is no longer touching the model.
- The second section must be slid until the latch drops fully.
- The third section must be rotated until it is completely past the designated line marked on the mat.

The mission video demonstrates each clearing method and can be used as a reference for intended functionality.

更新3：任務2-土壤清理-任務2包含三個表層土壤部分，每個部分都需要採取特定操作才能被視為已清理：

- 必須將其中一個部分(以環圈標識)完全移除，使其不再接觸模型。
- 必須滑動第二個部分，直到鎖扣完全落下。
- 必須旋轉第三個部分，直到其完全超過底圖上標記的指定線。

任務影片示範了每種清理方式，可作為預期功能的參考。

更新2

(August 5th, 2025)

UPDATE 02 – MISSION 02: MAP REVEAL SETUP – 3M™ Dual Lock™ Reclosable
Fasteners should be aligned carefully to avoid unintended contact with the topsoil sections.
Misalignment may cause sticking or movement issues that could affect the model's performance. Teams should check for smooth operation during setup.

更新2：任務2-地圖揭露設置-3M Dual Lock可重複閉合緊固件
應仔細對齊，避免意外接觸表層土壤，未對齊可能會導致黏住或移動問題，從而影響任務模型的性能。參賽隊伍應在設置過程中檢查是否運作順暢。

更新1

(August 5th, 2025)

UPDATE 01 – EXTENDING PAST THE WALLS OF HOME UPON RETURN – Extending past any wall of Home **upon return** counts as “completely in” and can be handled without penalty.

更新1：回到基地區時延伸到基地區的牆壁之外-回到基地區時
延伸到牆壁之外都算”完全進入”，並可不受到任何懲罰。