



Pan European Laboratory Infrastructure Implementation
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Processes in PII

Basis for extending the web application
“Panlab Web Interface”

- **Motivation**

- It is planned to extend the web application written by EICT to provide a basis for the demo in December and for the Panlab Office
- Due to the fact, that there is not much time left until the demo, EICT analyzed the required processes and simplified them as far as possible
- As a result the attached diagrams were created

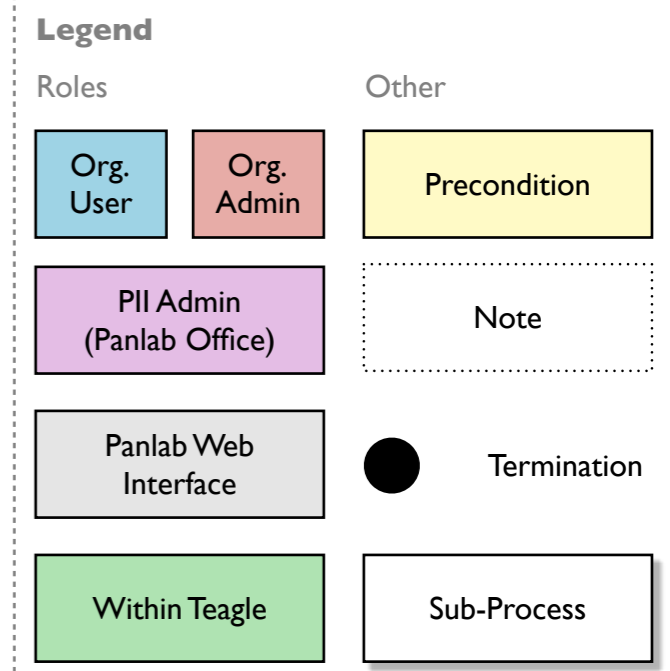
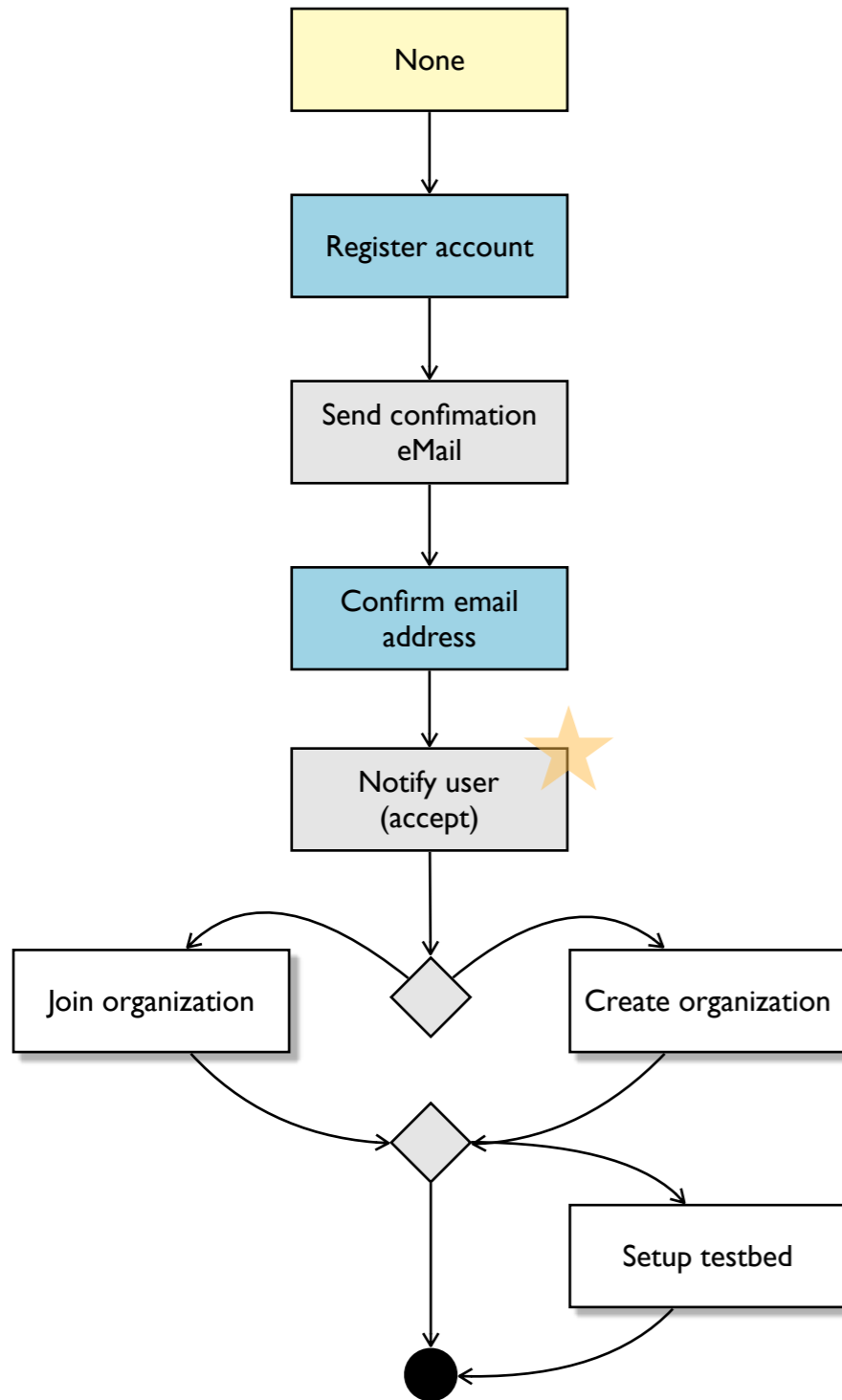
- **General Notes**

- New functionalities (compared to the current state/web app) are highlighted with a 
- Notifications are sent out as eMails

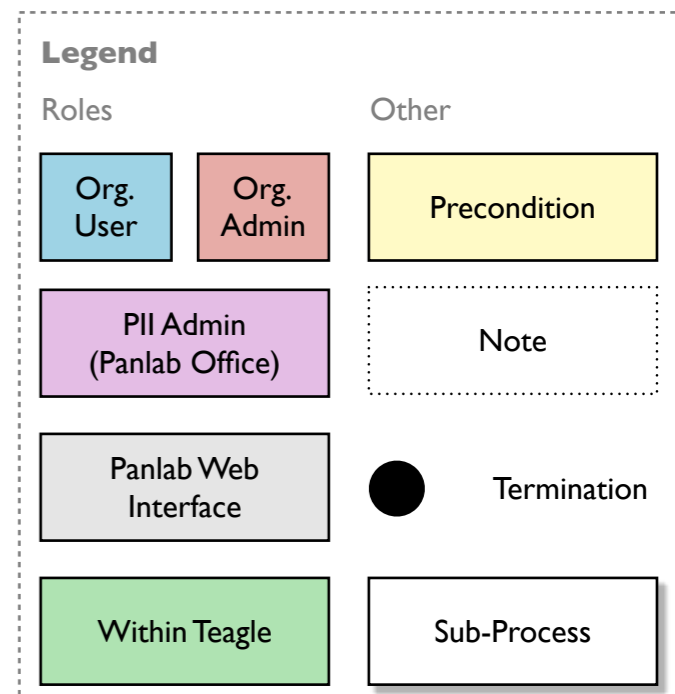
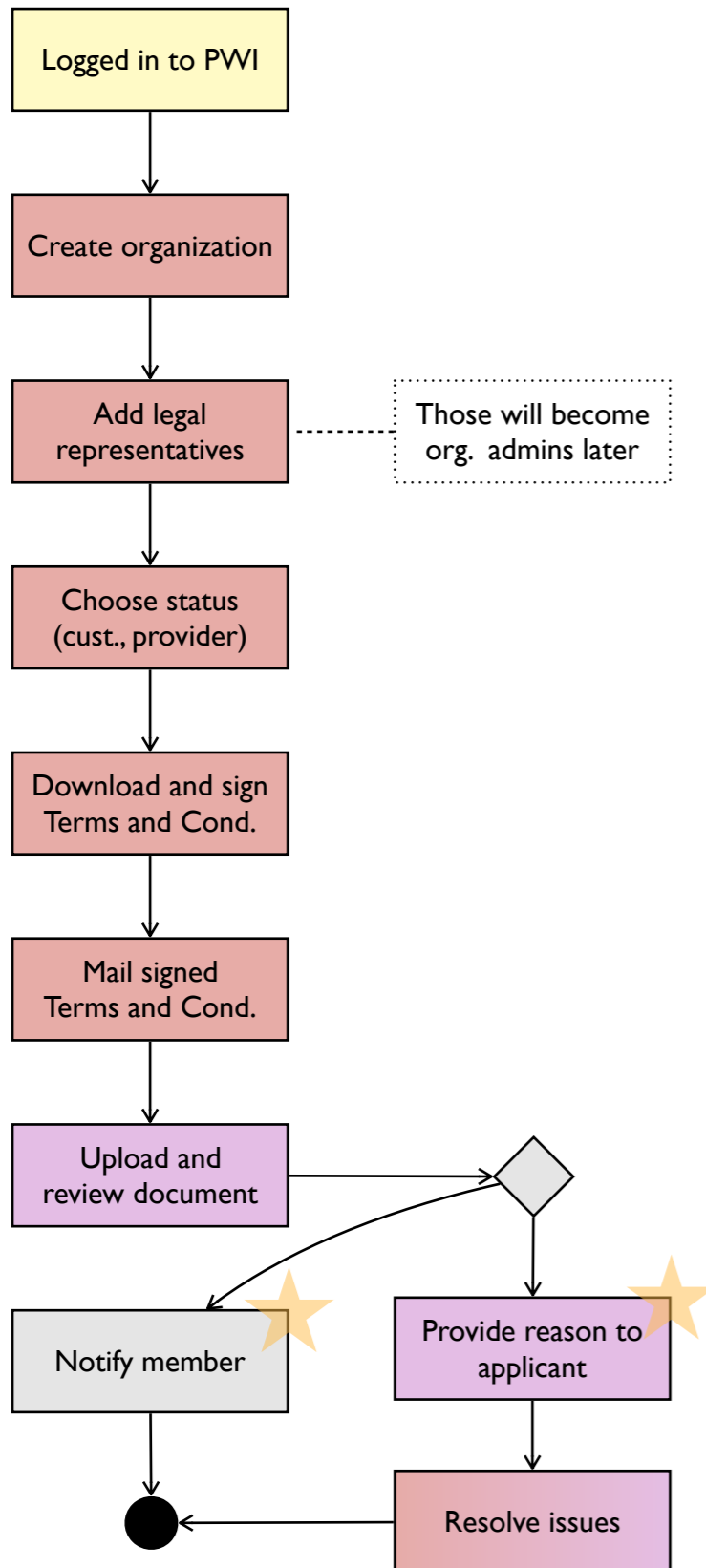
Work overview

- **Planned work** (for the web application until December)
 - Implement processes according to the diagrams
 - Introduce a notification subsystem for sending notifications
 - Let providers specify their own terms and conditions
 - Introduce an additional step to the booking of a testbed and automatically generate contracts to be signed before a binding booking
 - Automatically generate certificates for PTMs
 - Integrate rating system for resources
- **Work left**
 - Fully integrate the VCT tool and the repository
 - Automatically deploy scheduled testbeds
 - Automatically check availability and connectivity for test beds
 - Migrate all data sources (Teagle, web app, ...) into one database

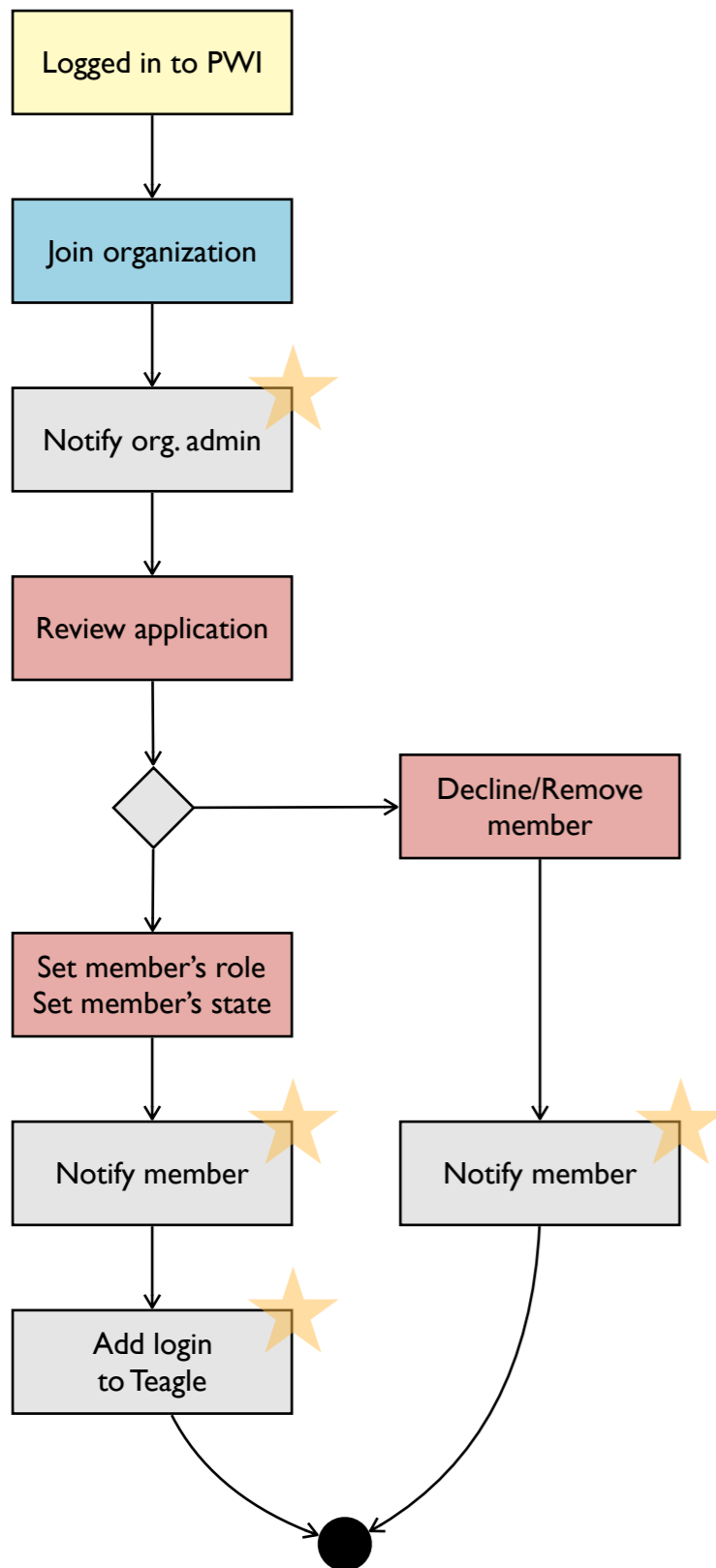
Register User



Create Organizational Account



Join Organization as Member



Member roles

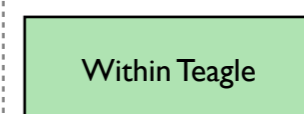
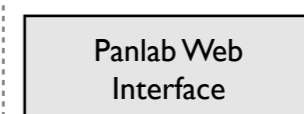
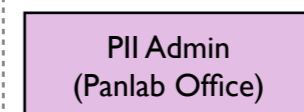
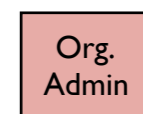
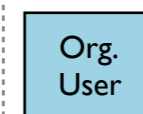
- user
- admin

Member states

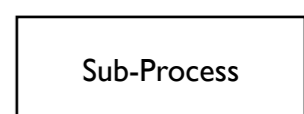
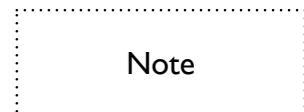
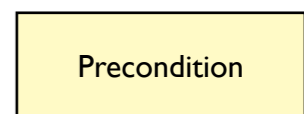
- enabled
- disabled

Legend

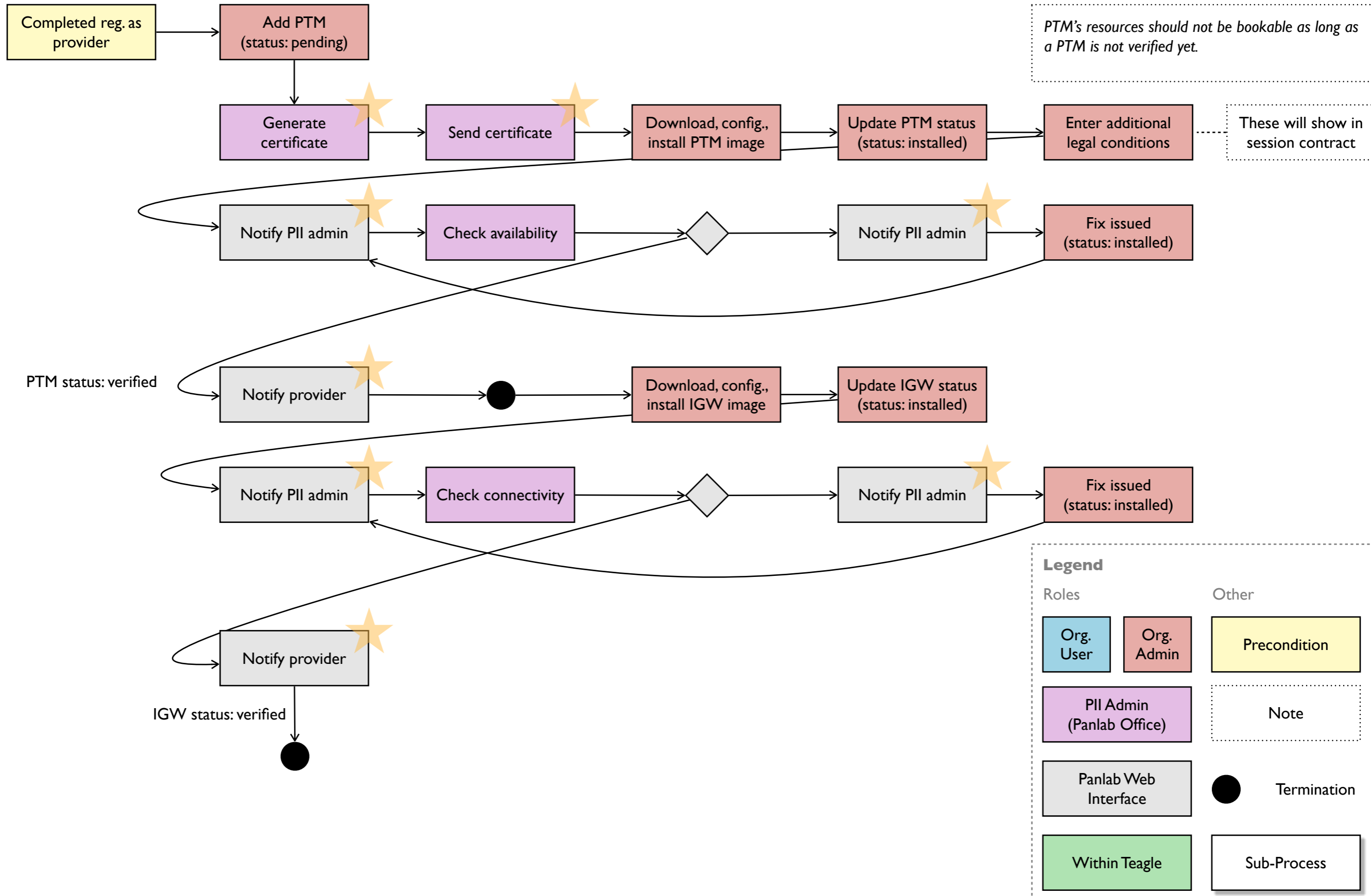
Roles



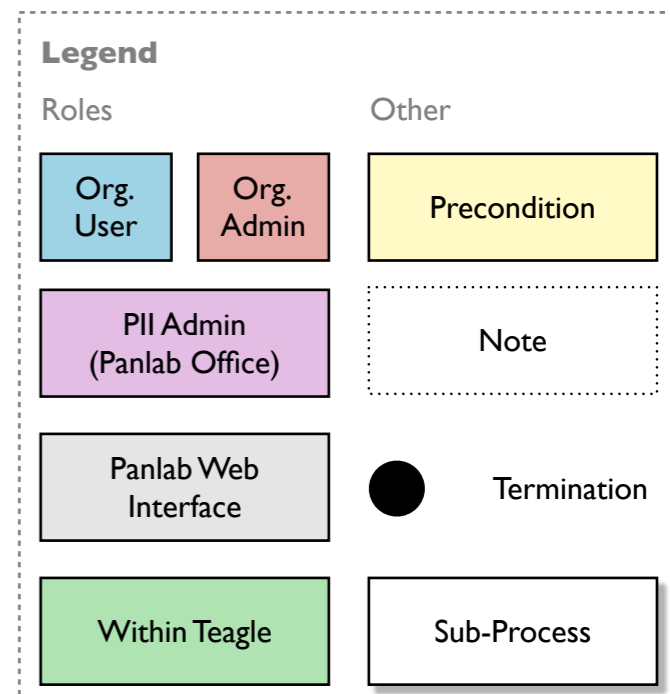
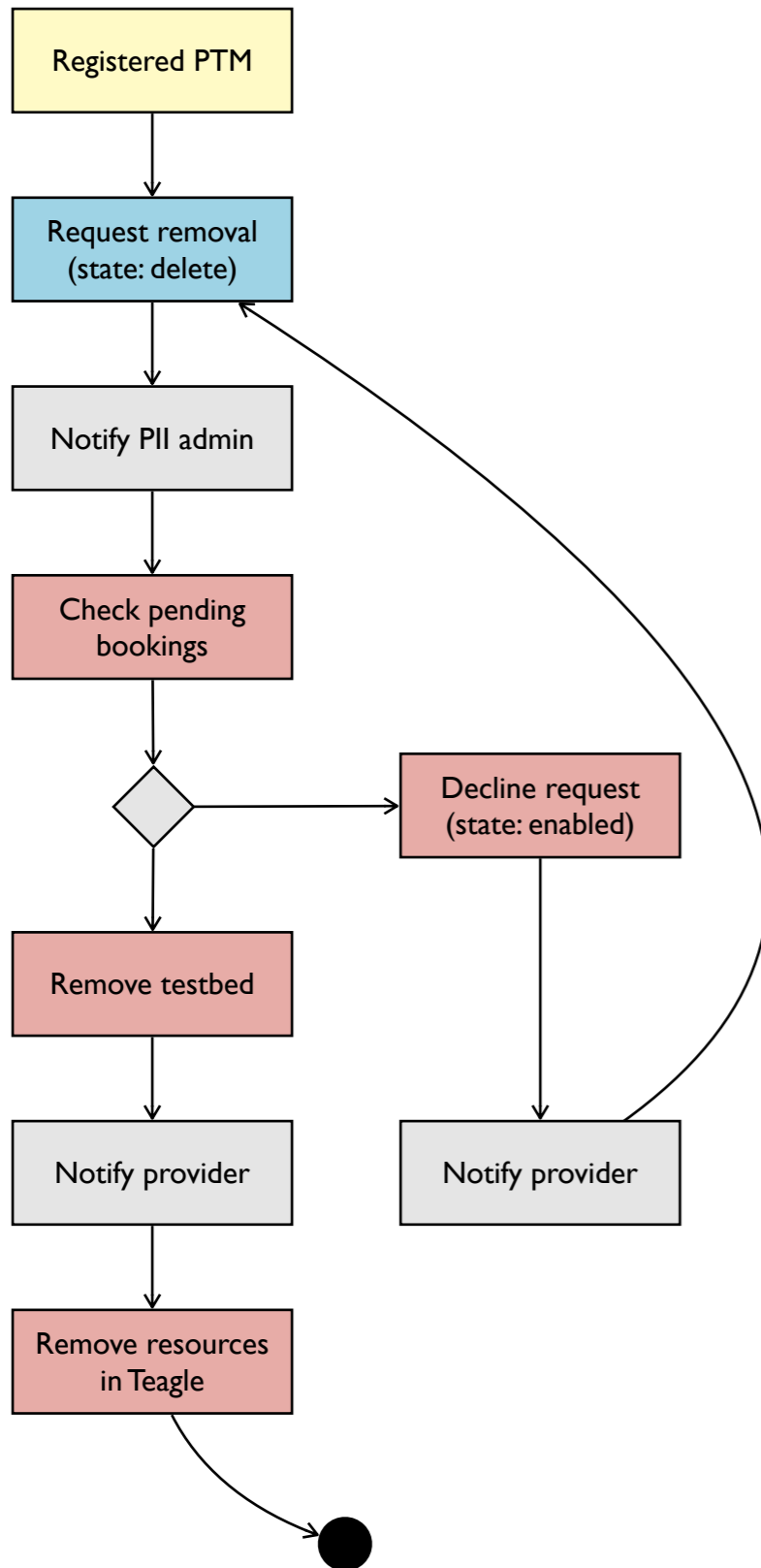
Other



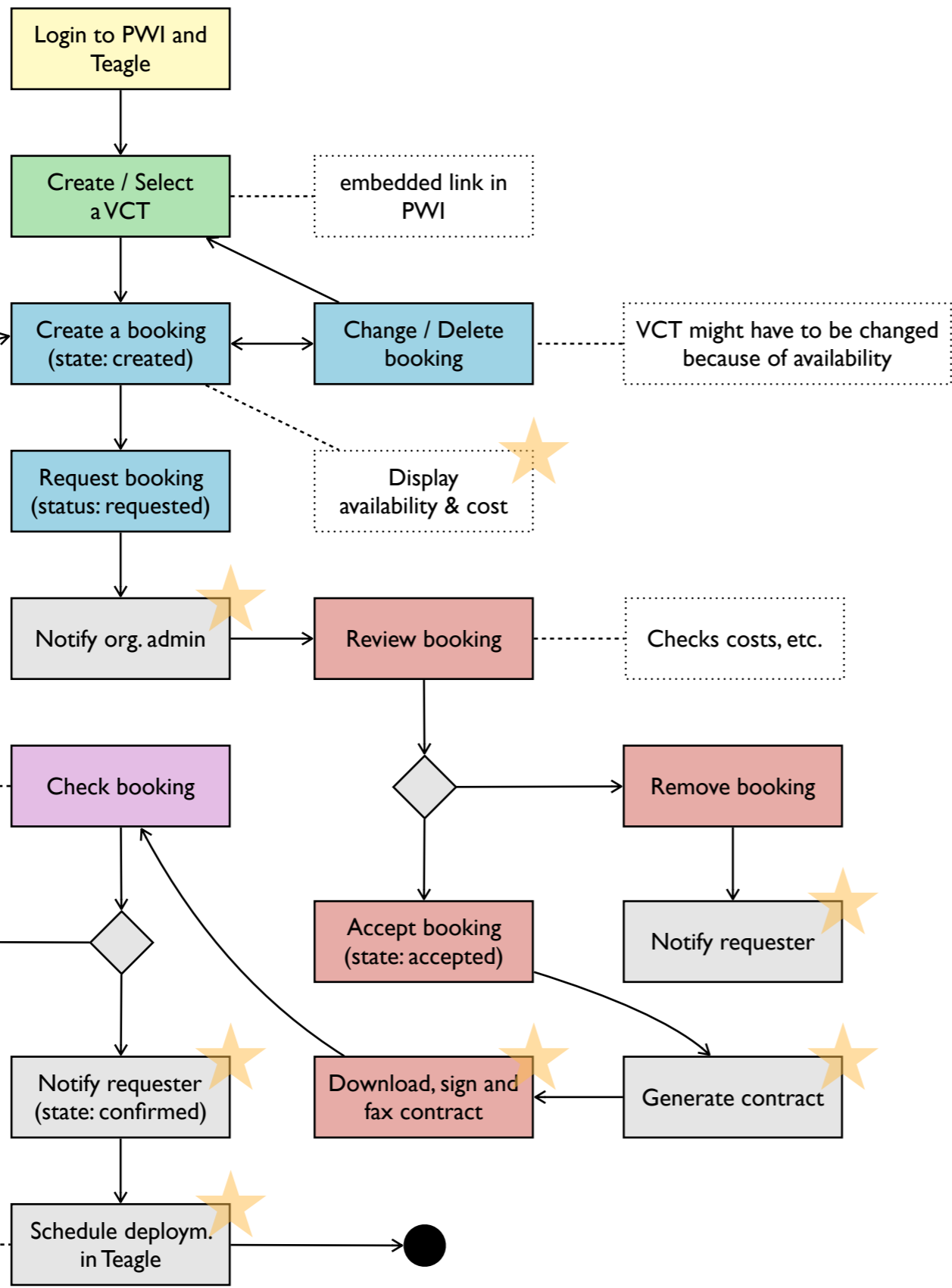
Setup Testbed as Provider



★ Remove / Disable Testbed as Provider



Book/Deploy a Testbed as Customer



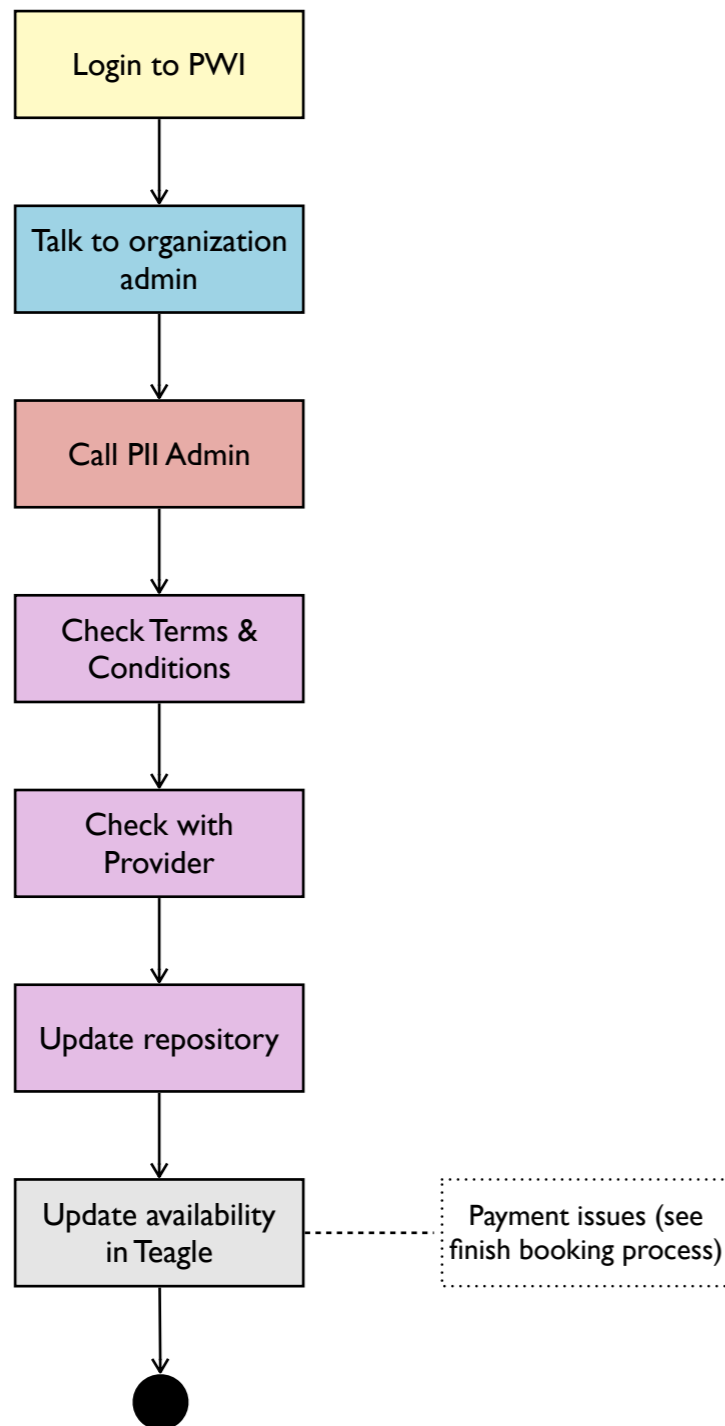
The contract will be generated by the system. It will summarize the time, cost, etc.. The contract will contain the providers' conditions according to the providers (resources) used. This additional step is necessary to ensure the customers' commitment to the providers' terms and conditions.

States of a booking
created / requested / accepted / confirmed / deployed / completed / payed

Legend

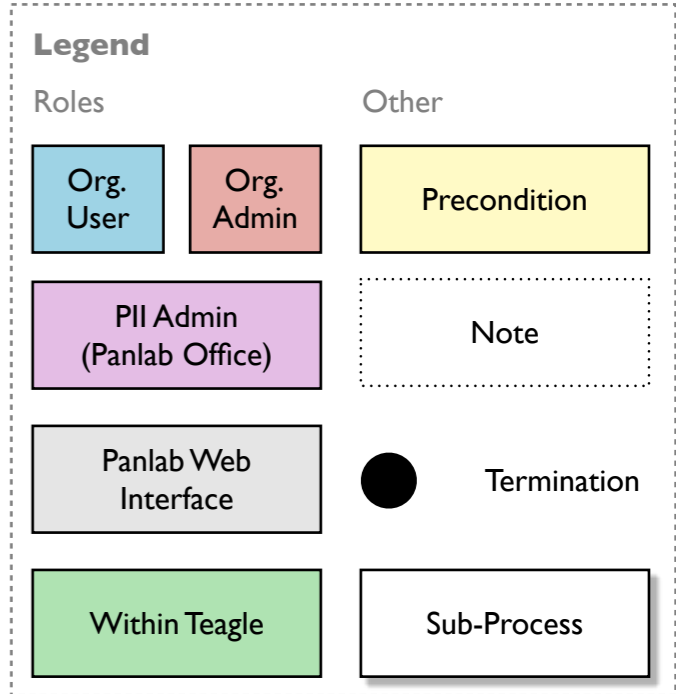
Roles		Other
Org. User	Org. Admin	Precondition
PII Admin (Panlab Office)		Note
Panlab Web Interface		Termination
Within Teagle		Sub-Process

★ Revoke a Booking as Customer

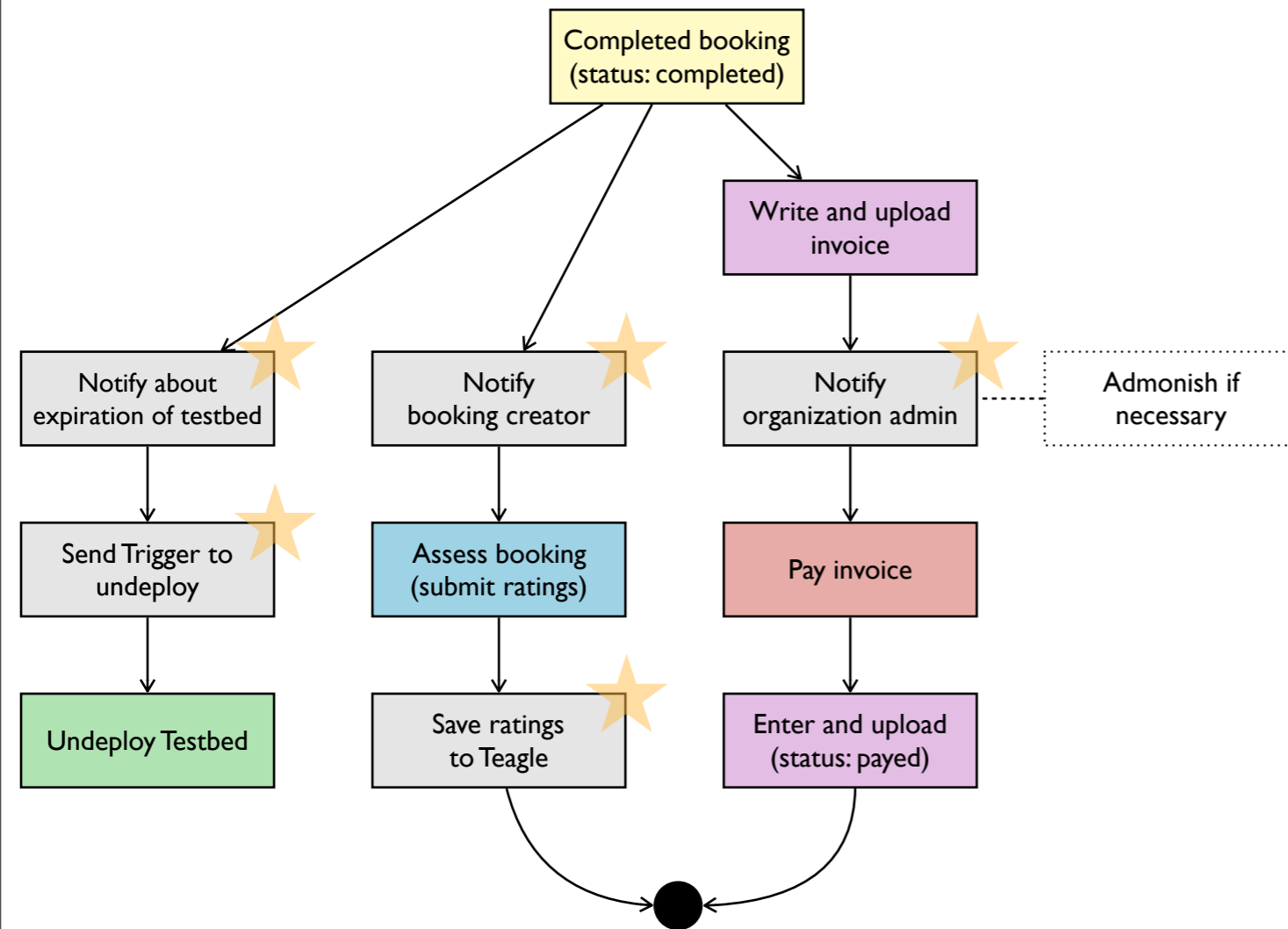


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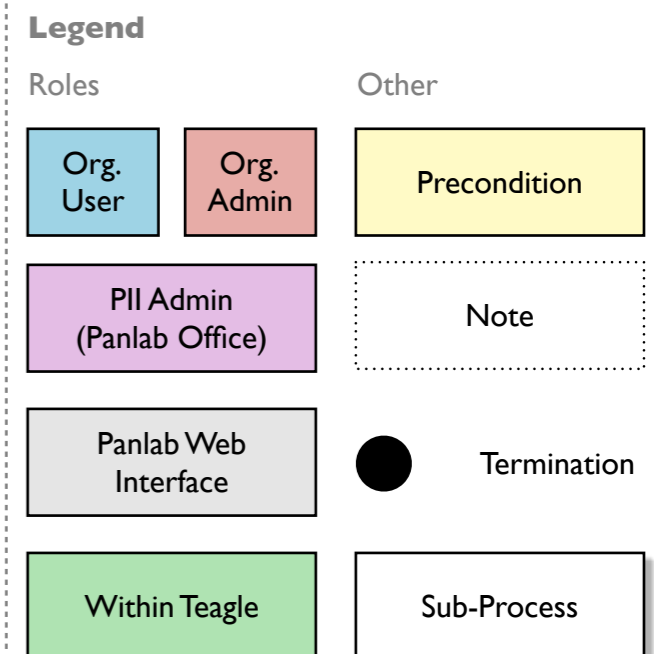
States of a booking
created / requested / accepted / confirmed / deployed / completed / payed



Finishing a Booking as Customer



States of a booking
created / requested / accepted / confirmed /
deployed / completed / payed



- **Mapping from VCT to resource owner**
 - We do not have a relationship in the repository which assigns resources (instances nor specs) to testbeds. Hence there can not be resolved which test bed a booking / vct involves. Subsequently additional conditions for test beds may be specified but can not be included in the automated contract documents.
 - We do not specify additional legal conditions per test bed. Rather we use the relationship to organisation, which is present for all resources. This way each booking contract will include the additional legal conditions of the involved organisations. Mapping:
booking → vct → resource → organisation