PiranhaMAX 165, 175, 176i, 195c, & 196ci Installation and Operations Manual

532030-1 A





PiranhaMAX

Hummingbird Piranha 20 Manual

LL Leslie

Hummingbird Piranha 20 Manual:

Nature Magazine ,1937 An illustrated monthly with popular articles about nature

Who's who in the West ,2004

This is likewise one of the factors by obtaining the soft documents of this **Hummingbird Piranha 20 Manual** by online. You might not require more period to spend to go to the books foundation as well as search for them. In some cases, you likewise get not discover the revelation Hummingbird Piranha 20 Manual that you are looking for. It will agreed squander the time.

However below, in imitation of you visit this web page, it will be in view of that entirely simple to acquire as skillfully as download lead Hummingbird Piranha 20 Manual

It will not undertake many era as we explain before. You can reach it even though undertaking something else at home and even in your workplace. hence easy! So, are you question? Just exercise just what we manage to pay for under as with ease as review **Hummingbird Piranha 20 Manual** what you past to read!

 $\frac{https://staging.conocer.cide.edu/public/browse/fetch.php/getting\%20started\%20reculturing\%20schools\%20to\%20become\%20profebional\%20learning\%20communities.pdf$

Table of Contents Hummingbird Piranha 20 Manual

- 1. Understanding the eBook Hummingbird Piranha 20 Manual
 - The Rise of Digital Reading Hummingbird Piranha 20 Manual
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Hummingbird Piranha 20 Manual
 - Exploring Different Genres
 - $\circ\,$ Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Hummingbird Piranha 20 Manual
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Hummingbird Piranha 20 Manual

- Personalized Recommendations
- Hummingbird Piranha 20 Manual User Reviews and Ratings
- Hummingbird Piranha 20 Manual and Bestseller Lists
- 5. Accessing Hummingbird Piranha 20 Manual Free and Paid eBooks
 - Hummingbird Piranha 20 Manual Public Domain eBooks
 - Hummingbird Piranha 20 Manual eBook Subscription Services
 - Hummingbird Piranha 20 Manual Budget-Friendly Options
- 6. Navigating Hummingbird Piranha 20 Manual eBook Formats
 - o ePub, PDF, MOBI, and More
 - Hummingbird Piranha 20 Manual Compatibility with Devices
 - Hummingbird Piranha 20 Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Hummingbird Piranha 20 Manual
 - Highlighting and Note-Taking Hummingbird Piranha 20 Manual
 - Interactive Elements Hummingbird Piranha 20 Manual
- 8. Staying Engaged with Hummingbird Piranha 20 Manual
 - o Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Hummingbird Piranha 20 Manual
- 9. Balancing eBooks and Physical Books Hummingbird Piranha 20 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Hummingbird Piranha 20 Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Hummingbird Piranha 20 Manual
 - Setting Reading Goals Hummingbird Piranha 20 Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Hummingbird Piranha 20 Manual

- Fact-Checking eBook Content of Hummingbird Piranha 20 Manual
- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Hummingbird Piranha 20 Manual Introduction

In todays digital age, the availability of Hummingbird Piranha 20 Manual books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Hummingbird Piranha 20 Manual books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Hummingbird Piranha 20 Manual books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Hummingbird Piranha 20 Manual versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Hummingbird Piranha 20 Manual books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether youre a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Hummingbird Piranha 20 Manual books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature

enthusiasts. Another popular platform for Hummingbird Piranha 20 Manual books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Hummingbird Piranha 20 Manual books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an everexpanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Hummingbird Piranha 20 Manual books and manuals for download and embark on your journey of knowledge?

FAQs About Hummingbird Piranha 20 Manual Books

- 1. Where can I buy Hummingbird Piranha 20 Manual books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Hummingbird Piranha 20 Manual book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Hummingbird Piranha 20 Manual books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently

- dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Hummingbird Piranha 20 Manual audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Hummingbird Piranha 20 Manual books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Hummingbird Piranha 20 Manual:

getting started reculturing schools to become profebional learning communities

getting a grip on your finances

get dressed roberto

getting it together how to energize your relationships with other believers youth journal

ghana 1 750 000 a travellers reference map

gershwin by special arrangement intermediate jazz style arrangements with a variation with cd audio getting started in calligraphy.

gerrishs technical dictionary technical terms simplified

get well doctors orders

getting along in english

getting started with file management germinal extrait

gesammelte werke volume 4

getting to know desktop gis get set the riverside reading program

Hummingbird Piranha 20 Manual:

ibm cognos insight youtube - Jan 30 2023

web lodestar solutions 766 subscribers 2 566 views 8 years ago whether you own cognos or not you can use cognos insight to create dimensional reports and graphs and dashboards we welcome the

tutorial ibm - Jul 24 2022

web tutorial tutorial this tutorial shows how the various tasks in creating an agent are related to each other it shows that managing task execution rules is performed for each task in an agent but that specifying an event condition is performed once for an agent scenario you are the director of sales of a company

the cognos insight user interface ibm - Apr 01 2023

web the overview area the overview area is displayed for a crosstab or chart the overview area tells you what dimensions and measures appear in the crosstab chart or crosstab and chart the overview area is divided into three sections rows columns and context.

getting started with cognos tm1 applications ibm - Jun 22 2022

web cognos insight cognos insight offers a flexible and interactive experience with a choice of distributed or connected modes in its distributed mode cognos insight uses an interactive canvas layout for planning and analysis applications that provides responsive rapid discovery and navigation

analytics tutorials ibm developer - Aug 25 2022

web mar 27 2023 analytics tutorials ibm developer analytics tutorials tutorials provide a detailed set of steps that a developer can follow to complete one or more tasks tutorials provide hands on instructions that help developers learn how to use the technologies in their projects search all tutorials tutorial

ibm cognos insight tutorial youtube - Nov 27 2022

web oct 14 2017 ibm cognos insightwatch this video to learn about cognos insight and its smart import features for more information about cognos insight subscribe it

cognos analytics learning series getting started video series ibm - Oct 27 2022

web oct 24 2022 this video shows you how to navigate the ibm cognos analytics user interface using the open menu quick start buttons context specific buttons and breadcrumbs the 2 types of content folders are also shown the get started pane is shown as the source for help via the learn page and ibm cognos analytics community

lessons ibm - Aug 05 2023

web this tutorial covers the following skills in ibm cognos insight changing the view creating a cube calculation formatting items applying calculations to both and leaf and consolidated values and preparing a workspace as a presentation parent topic cognos insight tutorial

cognos insight tutorial ibm - Oct 07 2023

web cognos insight is a data exploration and planning solution prerequisites to prepare for this tutorial you must install ibm cognos insight as a component of ibm planning analytics local download the samples and learn about the cognos insight user interface lessons each lesson of the ibm cognos insight tutorial focusses on different features

ibm cognos analytics - Apr 20 2022

web introducing cognos analytics 12 0 make better decisions faster with ai powered insights try it free buy now for usd 10 00 per user month it s easy get answers faster with ai ai powered automation and insights in cognos analytics enable everyone in your organization to unlock the full potential of your data

ibm cognos insight version 10 2 2 tutorial - Sep 06 2023

web chapter 1 prerequisites to prepare for this tutorial you must install ibm cognos insight download the samples and learn about the cognos insight user interface you can also review the supported environments online ibm com support docview wss uid swg27041095 installing cognos insight

ibm cognos insight version 10 2 1 tutorial - Jun 03 2023

web ivibm cognos insight version 10 2 1 tutorial introduction this tutorial consists of interactive tasks that enable you to learn how to use ibm cognos insight cognos insight is a data exploration and planning solution audience cognos tutorial what is ibm cognos analytics reporting tool - May 22 2022

web sep 9 2023 by david taylor updated september 9 2023 what is cognos ibm cognos is a business intelligence tool for web based reporting and analytics this enterprise software provides various features to perform data aggregation and create user friendly detailed reports

cognos insight version 10 2 product documentation ibm - Sep 25 2022

web jun 17 2018 cognos insight tutorial cognos insight user guide install cognos insight installation and configuration guide cognos insight quick start guide release notes cognos insight release notes samples cognso insight human resources samples cognos insight what s new samples

ibm cognos insight version 10 2 0 1 tutorial - Dec 29 2022

web this tutorial consists of interactive tasks that enable you to learn how to use ibm cognos insight cognos insight is a data exploration and planning solution audience for analysts and business users who are looking to more easily access and understand key business information cognos insight empowers you to

ibm cognos analytics wikipedia - Mar 20 2022

web ibm cognos analytics with watson aka cognos analytics and formerly known as ibm cognos business intelligence is a web based integrated business intelligence suite by ibm it provides a toolset for reporting analytics

downloading ibm cognos insight standard edition 10 2 2 - Feb 16 2022

web jun 15 2018 ibm cognos insight allows you to analyze data explore scenarios and influence decisions by creating managed workspaces downloading and assembling the product download all of the parts that you need both required and optional access the ibm passport advantage

ibm cognos insight version 10 2 0 tutorial - Jul 04 2023

web this tutorial consists of interactive tasks that enable you to learn how to use ibm cognos insight cognos insight is a data exploration and planning solution audience for analysts and business users who are looking to more easily access and understand key business information cognos insight empowers you to

cognos analytics dashboards a tutorial ibm - Feb 28 2023

web ibm cognos analytics integrates reporting modeling analysis exploration dashboards stories and event management so you can understand your organization s data and make effective business decisions this tutorial shows you the basics of creating a dashboard

ibm cognos insight last updated 2015 11 18 tutorial - May 02 2023

web cognos insight is a data exploration and planning solution audience for analysts and business users who ar e looking to mor e easily access and understand key business information cognos insight empowers you to independently discover explor e and shar e this information and then take action

efficient roll forming simulation using non conformal meshes - Dec 09 2022

web may 5 2023 simulations of industrial roll forming processes using the finite element method typically require an extremely fine discretization to obtain accurate results running those models using a classical finite element method usually leads to suboptimal meshes where some regions are unnecessarily over refined an alternative approach consists in modelling and simulation of the roll forming - Aug 17 2023

web 2 1 1 strain histories in roll forming the strain history when forming a u channel in roll forming has been measured in several experiments 6 8 the experiments show figure 5 that the longitudinal flange strain starts between the forming stations

and increases rapidly to a maximum value just before the centre of the forming station simulation research on roll forming in container roof - Jan 10 2023

web apr 1 2021 the finite element simulation of the roll forming process of the container roof is carried out and the stress strain and history curves of key nodes are analyzed it is proved that the rolling process will produce edge wave and wrinkle defects in the flat section and the influence of parameters on the edge wave wrinkle is studied

simulation of roll forming scholarly commons home - Apr 01 2022

web simulation of roll forming scholarly commons home 1 simulation of roll forming scholarly commons home handbook of residual stress and deformation of steel molecular modeling and simulation the big book of conflict resolution games quick effective activities to improve communication trust and collaboration honeycomb

downloadable free pdfs simulation of roll forming scholarly commons home - Jun 03 2022

web simulation of roll forming scholarly commons home transition point from steam to the singularity feb 21 2022 a tale of technological revolutions human evolution and the potential for a utopian or dystopian future the impact of the next wave on business the economy society and the future of humanity a unique book of three intwined

simulation of roll forming scholarly commons home - Nov 08 2022

web simulation of roll forming scholarly commons home author fabio graebner from orientation sutd edu sg subject simulation of roll forming scholarly commons home keywords scholarly simulation commons roll home of forming created date

simulation research on roll forming in container roof - Sep 06 2022

web apr 1 2021 pdf the finite element simulation of the roll forming process of the container roof is carried out and the stress strain and history curves of key find read and cite all the research

simulation and experimental study on roll forming limit of cup - Jul 16 2023

web feb 9 2022 according to the numerical simulation results the roll forming limit diagram of cups is established and the accuracy of the forming limit diagram is verified by experiments keywords roll forming cup forming limit deform 3d damage value

computerized numerical simulation of roll forming process - May 14 2023

web jan 1 1995 a computerized numerical simulation system for cold roll forming was developed it was applied to various roll forming processes of erw electric resistance welded pipes light gauge section steels deck plates and others finite element simulation of flexible roll forming with - Jun 15 2023

web the fem simulation of a 3d flexible roll forming process based on the established constitutive models and supplemented data is performed and verified with a flexible roll forming experiment

simulation of roll forming scholarly commons home - Feb 28 2022

web simulation of roll forming scholarly commons home the big book of conflict resolution games quick effective activities to improve communication trust and collaboration mechanics of sheet metal forming flexible metal forming technologies mechanics of offshore pipelines technology of plasticity japanese technical periodical

a parametric study on forming length in roll forming - Mar 12 2023

web jun 15 2001 a simulation program has been developed in order to examine the roll forming process the program is based on the three dimensional finite element analysis of shape and roll forming under kinematically steady state condition simulation of roll forming scholarly commons home liululu - May 02 2022

web instruction you in indeed want you can explore them speedily we disburse for simulation of roll forming scholarly commons home and plentiful books collections from fictions to scientific examinationh in any way when people should go to the online bookstores research onset by retail outlet shelf by shelf it is in point of in fact troublesome simulation of the roll forming process for the determination of - Oct 19 2023

web the first roll forming process simulated has been the forming of an u section $102.7 \times 51.4 \times 1.22 \times 1.22 \times 1.05 \times 1.05 \times 1.05 \times 1.00 \times 1$

web nov 10 2003 description of the rolling simulation models with friction two fe models were investigated based on simulating the strip rolling with friction these models include process modelling by closing the rolls over the sheet metal followed by rolling and process modelling by commencing rolling simulation on a pre deformed sheet metal **numerical simulation of cold roll forming processes** - Apr 13 2023

web jun 20 2008 the present study confirms the potential of the finite element approach in the simulation of a cold roll forming process 3d simulations quantitatively reflect the tendency of the physical experiments and it may be useful in the explanation of different phenomena observed in the roll forming practice simulation of roll forming scholarly commons home - Aug 05 2022

web simulation of roll forming scholarly commons home rep from state rep jim jordan's office presents a flag flown over the ohio state house champagne and fruit juice toasts main lobby with mission and vision a compilation of astm and iso

mechanical test standards frequently used for testing of 3d printed parts an exhaustive summary of

simulation and experimental study on roll forming limit of cup - Oct 07 2022

web feb 9 2022 the results showed that the forming limit of the billet s wall thickness in roll forming for a cup is about 62 with the increase of the ratio of the formed cup s wall thickness to the billet simulation of roll forming process - Jul 04 2022

web simulation of roll forming process roll forming is a well known process used to manufacture long sheet metal products with constant cross section to avoid forming defects and to reduce the process development efforts finite element analysis can be used to predict strain distributions and sheet geometry during and after the process

simulation of a multi stand roll forming process for thick channel - Feb 11 2023

web oct 3 2002 the primary aim of this study is to explore the potential use of different roll forming methods to reduce springback and part shape defects in the cold roll forming of ti 6al 4v sheet and to develop a deeper understanding of the material behaviour of ti 6al 4v in the process

sem 2 mechanical drafting 4321902 3321901 321901 gtu - Mar 10 2023

web full gtu syllabus of mechanical drafting subject is covered in simple gujarati language the most important aspects are discussed in brief this will be help

gujarat technological university gtu diploma - Oct 05 2022

web gujarat technological university gtu diploma mechanical engineering elective i group 1 manufacturing engineering 3351906 self employement and entrepreneurship

mechanical drafting 4321902 study material paperonboard in - Mar 30 2022

web mechanical drafting summer 2022 paper solution 4321902 uploaded by mohit download mechanical drafting a 4321902 uploaded by sherasiya mohamad sadikun abdul

mechanical engineering course plan - Feb 26 2022

web mechanical engineering course plan student s catalog term between 2017 2018 fall semester and 2021 2022 fall semester 1 semester

qtu paper solution 2020 imp questions mechanical drafting - Apr 11 2023

web sep 5 2022 fast revision of mechanical drafting subject join my telegram channel t me sonigratech whatsapp group for first year

mechanical drafting gtu paper solution winter 2022 in gujarati - Jul 02 2022

web mechanical drafting gtu paper solution winter 2022 in gujarati youtube 3321901 mechanical drafting lecture series **uçak mühendisliği bölümü lisans programı derslerini veren** - Dec 07 2022

web case western reserve univ mechanical and aerospace engineering dr Öğr Üyesi ali eken İstanbul teknik Üniversitesi uçak mühendisliği 262 605 10 00 faks 262

course title mechanical drawing and drafting - Jul 14 2023

web a mechanical drawing and drafting is to clearly and accurately capture all geometric features of a product or component so that a manufacturer or engineer can produce the

mechanical drafting gtu exam paper solution w22 09 03 23 - Nov 06 2022

web aug 4 2023 solution of question paper is discussed step by step in english and gujarati language the most imp questions for mechanical drafting subject is explained

gtu diploma mechanical gtupaper in - Nov 25 2021

web gtu diploma engineering 19 diploma in mechanical gtu gtu papers de diploma engineering gtu diploma exam diploma past papers gtu diploma

gebze teknik Üniversitesi gtu - May 12 2023

web gtÜ santral 605 10 00 10 hat telefon rehberi ile ilgili düzeltme isteklerinizi santral gtu edu tr adresine e posta yoluyla gönderiniz dahili santral kullanım kılavuzu

İtÜ faculty of mechanical engineering makina fakültesi - Jun 01 2022

web itu faculty of mechanical engineering performs research and education in the design development and production planning of all types of mechanical and energy

gujarat technological university gtu course title - Aug 15 2023

web the students of mechanical engineering programme are mainly involved in drafting manufacturing inspection and planning activities such as preparing process plans

mechanical drafter jobs in toronto on glassdoor - Jan 28 2022

web people who searched for mechanical drafter jobs in toronto also searched for mechanical draftsman autocad drafter electrical drafter cad designer cad drafter mechanical

mechanical drafting 3321901 vpmp polytechnic - Feb 09 2023

web mechanical drafting 4321902 teaching scheme sem 2 applied mathematics old 4320001 applied mechanics old 3300008 mechanical drafting 3321901 sem

gtu diploma mechanical sem 2 gtupaper in - Dec 27 2021

web gtu diploma engineering 19 diploma in mechanical sem 2 gtu gtu papers de diploma engineering gtu diploma exam diploma past papers gtu diploma

gujarat technological university ahmedabad - Jan 08 2023

web course title mechanical drafting code 3321901 diploma programmes in which this course is offered semester in which offered mechanical engineering mechatronics

gtu b e mechanical sem 4 2141907 machine design - Aug 03 2022

web select your subject and the page shows all the past exam papers and to download gtu b e mechanical sem 4 2141907 machine design industrial drafting gtupaper in

mechanical drafting c321901 studocu - Apr 30 2022

web studying mechanical drafting c321901 at gujarat technological university on studocu you will find practical tutorial work and much more for mechanical drafting

gtu diploma mechanical sem 2 c321901 - Sep 04 2022

web you are here to download gtu diploma mechanical sem $2\ c321901$ mechanical drafting gtupaper in past exam papers welcome to gtupaper in the site that provide all

course title mechanical drafting code 3321901 h b patel - Jun 13 2023

web the students of mechanical engineering programme are mainly involved in drafting manufacturing inspection and planning activities such as preparing process plan