

For more information contact the  
**World Intellectual Property  
Organization** at:

Address:  
34, Chemin des Colombettes  
P.O. Box 18  
CH-1211 Geneva 20  
Switzerland

Telephone:  
+41 22 338 91 11

Fax:  
+41 22 733 54 28

E-mail:  
wipo.mail@wipo.int

Intellectual Property and  
New Technologies Division:

Telephone:  
+41 22 338 90 78

Fax:  
+41 22 338 71 10

Visit the WIPO website at:  
<http://www.wipo.int>

and order from the WIPO Electronic Bookshop at:  
<http://www.wipo.int/ebookshop>

or its New York Coordination Office at:

Address:  
2, United Nations Plaza  
Suite 2525  
New York, N.Y. 10017  
United States of America

Telephone:  
+1 212 963 6813

Fax:  
+1 212 963 4801

E-mail:  
wipo@un.org

# Successful Technology Licensing



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# Successful Technology Licensing

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# Successful Technology Licensing

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## PREFACE

Intellectual property is widely recognized as a tool for economic growth. The Member States of WIPO have requested more information as to how, in practice, it can help to generate wealth.

This booklet, *Successful Technology Licensing*, responds to that demand. It includes guidance on how to prepare for, as well as how to conduct, licensing negotiations.

*Successful Technology Licensing* is aimed primarily at an audience of businesspersons, technology managers and scientists who have to deal with licensing in the course of their work. For this reason, licensing terms are grouped in four main “clusters” and some of the key issues in each of these clusters are highlighted.

The title of this booklet puts the emphasis on “success”. Licensing implies an agreement between parties who receive and exchange approximately equal benefits and value. A voluntary license must be a win-win arrangement in order to be successful. The aim of this booklet is to help its readers achieve such results. We welcome comments by Member States concerning their experiences or particular needs so that the publication can be further refined.

I wish to extend my appreciation to all who provided guidance and comments in the drafting of this work, in particular the expert licensing professionals from the Licensing Executives Society International (LESI) and the Nigerian National Office for Technology Acquisition and Promotion (NOTAP).



**Kamil Idris**  
Director General, WIPO

Geneva  
September 2004

## I. INTRODUCTION

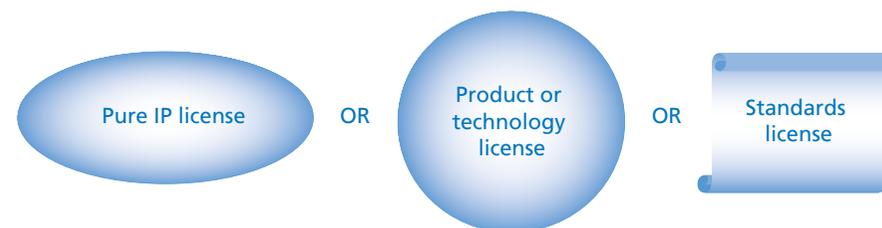
An introduction to successful technology licensing may be summarized by five fundamental and simple ideas.

**First: Technology licensing only occurs when one of the parties owns valuable intangible assets, known as Intellectual Property (IP),** and because of that ownership has the legal right to prevent the other party from using it. A license is a consent by the owner to the use of IP in exchange for money or something else of value. Technology licensing does not occur when there is no IP.

However, IP is a broad concept and includes many different intangibles (e.g. patents (inventions), copyright (works of authorship including technical manuals, software, specifications, formulae, schematics, and documentation, among other things), know-how (e.g. expertise, skilled craftsmanship, training capability, understanding of how something works), trade secrets (a protected formula or method, undisclosed customer or technical information, algorithms, etc.), trademarks (logos, distinctive names for products and technologies), industrial designs (the unique way a product looks such as a computer's molding), and semiconductor mask works (the physical design of semiconductor circuits).

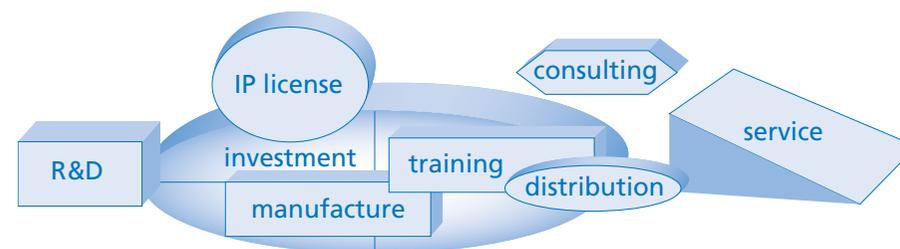


**Second: There are different kinds of technology licenses.** You will hear licenses referred to by many names, but it is useful to think of them in three categories. Licenses may be for certain IP rights only (e.g. a license to practice an identified patent or to copy and distribute a certain work of authorship). Licenses may be for *all the IP rights of any kind* that are necessary to reproduce, make, use, market, and sell products based on a type of technology (e.g. a license to develop a new software product that is protected by patent, copyright, trademark and trade secret law).



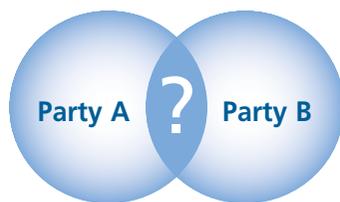
A license may also be for all the IP rights necessary in order to create and market a product that complies with a technical standard or specification (e.g. a group of enterprises has agreed on a technical standard to ensure interoperability of devices—the group agrees to pool their IP rights and license to each other all rights each will need to manufacture and sell the product).

**Third: Technology licensing occurs in the context of a business relationship in which other agreements are often important.** These agreements are interrelated, whether they are in distinct documents or integrated in one big document. It is important to consider in a very practical way how the terms of these related agreements affect each other because of timing, pricing, and overall value. So, for example, agreeing to develop a product (R&D agreement) without deciding issues related to the IP rights (IP license), or who will have a licence to manufacture it (manufacturing agreement) or at what price one party will buy units (sales agreement), can lead to business problems.



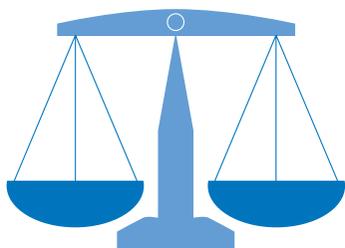
**Fourth: Technology licensing negotiations, like all negotiations, have sides (parties) whose interests are different, but must coincide in some ways.**

Successful technology licensing occurs only when the negotiator understands thoroughly the benefits that are available to both parties.



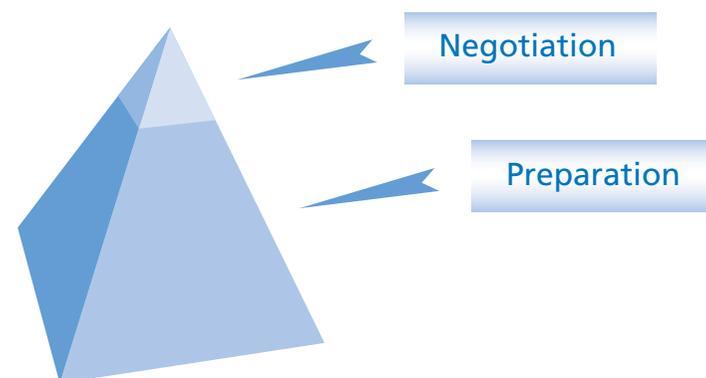
It is difficult to successfully negotiate a license where you wish to obtain the rights to technology if you have little to offer in return. Ideally, both sides to the negotiation will have different elements of value to offer, including, for example, skilled employees, a market that can be commercially exploited, know-how, research facilities and commitments, and some form of IP.

Unlike sales transactions involving physical property, IP licenses generally involve more than the simple question: “how much?” The goal is to find a good balance of value so that the license is a “win-win” transaction.



**Fifth: Technology licensing involves reaching agreement on a complex set of terms,** each of which has several possible solutions. Therefore,

advance preparation is essential. In advance of the negotiation, before the other party has been approached, a party may spend many months defining business objectives, assessing leverage, researching the other party, deciding positions on key terms, preparing documentation, and protecting IP, among other tasks.



## II. PREPARATION FOR NEGOTIATION

Preparation for technology licensing negotiation begins with the parties asking themselves a series of questions. These questions must be answered whether the party is the licensor (the one who owns the IP and gives the license) or the licensee (the one who wants to use the IP and wishes to receive the license). It is essential to ask and answer these questions *before beginning* technology licensing negotiations.

### A. What is the business reason for this license?

How will this license agreement make money?

What must you gain in order for this agreement to be worthwhile?  
 What is the best result that can be obtained from this agreement?  
 What outcome do you want to avoid?

From a business perspective, is the best result a license to IP rights only (pure IP license) or a broader set of related agreements (business partnership)?

Ideally, do you want to obtain or provide:

Assistance in using the IP (know-how)?  
 Training?  
 Development of technology or a product?  
 Manufacturing?  
 Purchase of products or equipment?  
 Multiple products?  
 Investment in R&D or other?  
 Distribution of products or technologies?  
 A license (consent) to use a patent or copyrighted material or trade secret (or other IP) that belongs by law to the other party?  
 A license to use a trademark or logo?  
 A license that will enable you to comply with a technical standard or specification?

Will this be a license from the other party to you (license in), or from you to the other party (license out), or a license from one side to the other (cross license)?

If this is a license in, will you pay money to the licensor? If this is a license out, will you receive money from the licensee? Is payment of money the primary benefit/value that will be provided in exchange for the license or are there other benefits/values?

### B. What leverage do you have?

Why does the other party want this agreement? (i.e. what leverage do you have that will make it more likely than not that the other side will agree to your terms?)

Is your leverage based on the advantages of terms of the potential agreement or on something else? (e.g. the terms of another agreement, possible investment, threat of litigation, etc.)

Are there other companies with whom you could reach agreement to meet your objectives (alternatives)? Can you negotiate with both parties simultaneously?

### C. What is the time frame for signing the license agreement?

Must it be completed in time for:

- A product launch?
- A press release?
- A trade show or conference?
- Beginning a research project?
- Commencement of manufacturing or sale?
- An investment or acquisition/sale transaction?

It is disadvantageous to begin to work on a technology project before a definitive agreement has been reached, so this step is an important one.

Is it possible to reach agreement on all the issues *at this time*?  
 Or are there facts that are still unknown that prevent reaching a definitive agreement?

Can the transaction be broken down into stages (e.g. interim agreement and then final agreement, or multiple successive agreements) without harming any party?

What is a realistic schedule for negotiation meetings, drafting, and execution of the agreement?

#### D. What data and documents do you or the other party need?

What specifications, protocols, public information, product sheets, and patent abstracts and texts, and all other information are relevant to the technology? Put them in notebooks organized so that they are easy to refer to, and if voluminous, index them.

What information related to the business of the other party do I need (e.g. public information on revenues, employees, financial history, technology press releases, website information, etc.)? Put this information in a notebook, too.

What information do I have related to alternative parties?

What other agreements am I aware of that may be similar to this agreement? Gather samples and forms of agreements that seem relevant to this transaction.

#### E. Who is on the negotiating team?

Decide who will participate in the negotiation representing your side (the team).

Who will be the principal spokesperson? Who will be present in the negotiation, but in a supporting or secondary role?

Who will have authority to decide issues that arise?

Who will need to be consulted about practical issues that arise (e.g. how much money can be spent, what commitments can be made to technical service, what technical requirements there are, etc.)?

Who will be the legal counsel?

Who will be responsible for drafting the agreement or responding to drafts and changes from the other side?

#### F. What are your positions on the key issues of the license?

The key issues (or terms) are the important business and legal terms of the license. The key issues for a technology license are discussed in the next Section (III). The best way to work through and decide your position on the key issues is to use a term sheet.

A term sheet is a *short* outline (no more than two pages) of the key terms of the license, concentrating on the “business terms”. It has an internal version and an external version. The internal version is for your use only and the use of your team. The external version is a version of the term sheet that will be given to the other party in the negotiation as an aid to reaching agreement.

A term sheet is not the same as a Letter of Intent or a Memorandum of Understanding (See Section H. below; these are not recommended). A term sheet is *not* a short agreement. It is a list of the key terms with a tentative statement of your position written under each key term. It has many important functions.



**The term sheet:  
A solid foundation  
for negotiation**

The most important work of a term sheet is to help sort through the many complex issues in a technology license and make sure that you don't miss any. It helps spot problems (e.g. you realize that you are not sure whether

you need the right to modify the technology and you believe that the other party has a strong policy against granting a right to modify). It also helps communicate within the team so that consistent positions are taken, avoiding the embarrassing experience of having different team members say different things in the negotiation session. If legal counsel is not present in the negotiation, the term sheet is an invaluable tool in communicating with him or her. It is used to make sure that the positions that you plan to take are in fact authorized and practically feasible (e.g. you find out that you planned to agree to provide service and support, but you find out that your enterprise does not have enough personnel). Finally, it helps the team keep track of the objectives of the negotiation.

Use a form term sheet, such as the one in the *Appendix* to this booklet, and go through each issue. Decide what you think that your position should be on each key term based on your business objectives with this technology license. You will want to think of fallback positions and whether it will be possible to compromise on each key term. Write all of this down on the term sheet using plain, non-legal language.

Circulate the term sheet *internally* (within your party only) on a confidential basis to persons who must be consulted to obtain Internal clearance and obtain reactions, suggestions, approval. Show it to the legal counsel and obtain his or her edits and comments.

### G. What is your negotiating strategy?

Confer with the team about the answers to the following questions.

For each term in the term sheet, what is your “first line”? This refers to the set of terms that are first set forth in the negotiation and represents an aggressive or ideal position. This is written in the external term sheet.

For each term in the term sheet, what is your “bottom line”? This refers to the set of terms that, from your side’s perspective, must be agreed or the objectives of the agreement will not be achieved. The bottom line is not disclosed until late in the negotiation, if ever. This is not written in the internal

term sheet because of the importance of confidentiality of these terms. The bottom line should not change dramatically in the course of negotiations.

What are the other party’s first line and bottom line likely to be?

Use your internal term sheet throughout as a guide to the negotiation and as a communication tool for your negotiating team.

What are the alternatives if your bottom line cannot be gained?

### H. Will you need preliminary agreements?

**Confidentiality agreements** (non-disclosure agreements) are often important to protect business and technical disclosures that are made during the negotiations.

**Interim agreements, feasibility agreements and prototype agreements.** These are sometimes useful when you need more information in order to know whether a technology license would be a good idea. The key terms in such agreements are generally that each side will bear its own expenses, or that one side or the other will pay certain expenses or provide equipment or data, who will own any IP used or created, who will do what work, prototype creation, or testing, confidentiality (see above) and that the agreement will end by a certain date (usually very short term—weeks or months). Such short-term agreements should not be used as substitutes for the technology license or other agreements.

**Do not use Letters of Intent or Memoranda of Understanding.** These are not agreements, but are often vague statements of intentions and plans for the future. These are not useful because they are insufficiently concrete for business objectives, and cause confusion as to whether they are legally binding.

Standstill agreements or agreements to negotiate on an exclusive basis are almost never desirable and should generally be refused. They can give an undue advantage to one side in a negotiation and remove the option of turning to an alternative if negotiation is not successful.

### I. What are the strong points and objectives of the other team?

What are the strengths of the other side's negotiating representatives? Do the representatives who are communicating with you have authority to make decisions?

What are likely to be the other side's positions on each key term?

Meet with the team to discuss and answer the questions set forth in this Section and in Section III below before the first meeting with the other party. This communication avoids misunderstanding about the basic objectives and terms of the license, and is an important component in technology licensing.

## III. KEY TERMS

The issues that are agreed upon in a license agreement are called the "terms" (or "material terms" or "terms and conditions" or "provisions"). What makes technology licensing complex is that there are more key issues in such agreements than in most other types of agreements. Also, for each key issue, there are many possible variations for how the issue can be resolved. The successful negotiator keeps a mental and written checklist of these key terms and the several variations on each that will be acceptable to him. He also knows what variations on each key term are disadvantageous or risky.

Although the key terms vary somewhat depending on what sort of technology is being licensed (e.g. computer software, a semi-conductor invention, a pharmaceutical formula, etc.), similar issues arise in all transactions in which a technology containing intellectual property rights is being licensed. The purpose of this section is to give you an overview of these key terms.<sup>1</sup> Note well that this is not an exhaustive list of material terms but rather an introduction to some of the issues that frequently arise.

To simplify, the key terms are grouped into **four "clusters"**. It is useful to think of the key terms in this way, and then to mentally break them down into smaller headings within each cluster.<sup>2</sup>

### CLUSTER ONE: THE SUBJECT OF THE LICENSE

#### 1.1 What is the subject matter of this license?

This cluster of issues relates to the definition of the technology that is being licensed. This may sound obvious, but it is an underestimated issue that can give rise to disputes after the agreement has been signed.

Is the technology that you want to use a product, a formula, a specification, a protocol, a software program, a set of diagrams or documentation? If so, it is essential to describe this precisely. Or do you need a license to practice a specified patent or set of patents? Or is the subject matter of the license all the IP and technology required in order to meet a specified standard (standards licensing)?

<sup>1</sup> Note that this document is not intended as a substitute for legal advice. It is essential in any technology licensing negotiation to retain legal counsel. This list will familiarize you with the issues so that you can communicate effectively with your legal counsel.

<sup>2</sup> From now on in this Section, it will be assumed that the negotiation involves a license in, but except where indicated the same comments apply conversely to a license out.

The licensor's interest is in narrowing the definition of what is being licensed. The licensee's interest is in having a broad definition of the technology. In some cases, both sides will seek refuge in ambiguity about the technology for a number of reasons. In some cases, negotiators have not communicated well with other segments of their business and are either not sure what state the technology is in, or are not clear to what use the technology will be put.

Sometimes, the lack of clarity in an agreement about what is licensed is because people do not want to admit that they do not understand exactly how technology works; they think that they should know. However, it is often not possible to learn about the exact nature of technology based on public records. **Part of the negotiation is finding out exactly what the technology is and what part of it you need to use for your business.** (See Issue 1.4 below).

You may save money if you only license what you need in order to make your business use of the technology successful.

It is important to **communicate with your business colleagues** to see what they need in order to make effective business and technological use of the technology. Do they need only a patent license? Or do they need the rights to use a particular product or technology that practices the patent? Do they need detailed documentation or schematics? Do they need source code or is object code sufficient? What version of the software will they need? Do they require test data? Do they require samples or prototypes? (See Cluster 4, Issue 4.1 below). Will they need "know-how", or training in order to use the technology? (See Cluster 4, Issue 4.3 below).

**Beware of licensing technology for which there is no clear written specification or other documentation.** Do not accept vague references to the subject matter such as "the state of the art XXX technology". It is common to refer to an exhibit attached to the agreement text for more specific references to the nature and definition of the subject matter (e.g. The so and so technology, as more fully described in Exhibit A). Make sure that Exhibit A is filled in and what is written is clear and specific enough. Also, do not

wait until late in the negotiations to obtain this information. If Exhibit A refers to a specification or some other written document, read it carefully to see if it clearly describes what is being licensed. The description should be clear enough so that, in case of a dispute, a third party who is not knowledgeable about the technology could make a decision about what is included and what is not. References to "version A" of the software may be sufficiently clear if you have a copy of version A and have already inspected it. In some cases, you will be able to attach the actual thing that is being licensed to the agreement (e.g. a copy of the software).

## 1.2 Is the thing that is being licensed completed?

Is the software completely written, the hardware design completed and implemented in the form in which you need it, is customization required to make the subject work with your technology or systems, is a "port" needed, is research and development continuing? The same questions apply in other fields: is the technique completely developed, is the invention fully enabled, and is the pharmaceutical process fully developed?

If there is more work to be done, determine whether the completion of this work is important to you as a condition of the deal. Can you live with the technology in an incomplete form (e.g. partially written software, incomplete formulation or test of a drug)? If it is left incomplete, will the agreement permit you or your designee to complete and/or modify the technology? See Cluster 2 below which discusses what the licensee is permitted to do to the technology.

Conversely, if you are the one licensing out the technology, make sure that it is clear whether you are expected to have fully completed it by the time of execution of the agreement. Does it have to pass acceptance testing? Does it have to meet a specification or a functionality test? Does it have to perform certain functions at specified performance levels in order for you to be paid?

**The best position for the person who is licensing technology out is that the software or other technology need not live up to any particular standard** of performance or function. In this case, the technology licensor is

providing some basic rights to the technology, but is really providing his or her time and effort and a permission to use the technology *as is*. This is obviously not good for the person who is licensing the software, unless the price (royalties) and other terms reflect this. **The best position for the person licensing the software is that the software must meet clearly defined specifications** (if it is not completed and accepted at the time of execution).

Avoid using terms like “meets commercial expectations” or “satisfies industry standards” or “use best efforts” or “makes good faith efforts” or “fully operational”. These terms are so vague that they cause business misunderstandings and legal disputes.

If the subject matter of the license is truly in a state of development, or if major work needs to be done, such as a port to a different platform, it is advisable to have a **separate or attached development agreement** with clear deliverables, assignments of responsibility, performance and function standards, and timetables.

### 1.3 Who owns the IP that underlies the technology?

Does the licensor own what he or she is licensing to you? Does he or she have the right to license it? Does he or she have the right to license all other technologies that are needed to make the licensed technology work?

It is important for the license agreement to contain a **representation that the licensed IP belongs to the licensor**. This avoids a situation where a third party later claims that it owns the IP or technology and the licensor attempts to disclaim responsibility.

In situations where the licensor and licensee will be working together on a technology project or product creation (e.g. a joint venture to develop a product together), it is good practice to **specify in the agreement who owns what IP and/or technologies** as of the time of the execution of the agreement. If the licensee is contributing some technology or will be using some technology, it is also important to specify who owns that technology, so that there will be no later disputes.

In joint venture situations, the agreement will also define who will own any technology and IP that results from the project. This may be joint ownership, or licensor-owned or licensee-owned. Joint ownership means different things in different national laws, so be careful of settling on joint ownership as an easy solution. For example, in some national laws, jointly owned IP requires the parties to account to each other for any profits made from IP. This may not be desirable if the parties do not continue to work together.

### 1.4 Can you see the technology before you commit?

You or the other party will probably want to enter into a confidentiality agreement at the start of negotiations. Such agreements are legally binding commitments by one or both parties not to use or disclose to others the confidential information that they learn of during the negotiations. Such information may be technical prototypes, formulae, specifications, designs, scripts, experimental data and other technical information. It may also be sensitive business information, such as customer lists, business plans and strategies, or employee information.

**The confidentiality agreement enables you to examine the technology that you are considering licensing and thereby make good judgments about its specific nature, function, performance, and value.** You will also be freer to exchange business information. Just keep in mind that being too free with confidential technical or business information is not prudent even if there is a confidentiality agreement, because the agreement may not come to fruition.

Be wary of “stand still agreements” or other agreements that attempt to restrict your freedom to consider competitive alternatives during negotiations. These are seldom useful and can limit your negotiating leverage and flexibility, especially when negotiations continue over longer periods of time than initially expected (which they often do).

The key issues that arise with confidentiality agreements are 1. Whether the recipient (the potential licensee to whom the technology is disclosed) is forbidden from using as well as disclosing the technology to others (use prohi-

bition) and 2. The place where disputes are to be resolved (dispute resolution). With respect to the use prohibition issue, the recipient generally wants to have freedom to walk away from the license deal and not worry about whether he or she is “tainted” by disclosures. The potential licensor wants to be sure that if the deal doesn’t work out, his or her technology will be protected. Dispute resolution is important because at the time of the confidentiality agreement, you don’t know if the deal will be closed and you (especially the licensor) want to make sure that if there is a dispute about your IP, you do not have to travel to a distant and possibly biased jurisdiction to resolve it.

### 1.5 Do you need a license to use the trademark?

Do you need a license to use the name or logo of the technology or product in connection with the sale and distribution of your product or technology? If so, you are also negotiating a trademark license in addition to the technology license. You will need to specify what trademark and/or logos you need to use. This is important in **cases where the technology or product alone is not as valuable as the product distributed with a familiar trademark.**

If there is a trademark license, is there a certification program or other requirement that goes along with the right to use the trademark? Be careful of these; if there is a certification or other technical requirement, make sure that the specification and requirements are stated clearly as part of the license.

Similarly, do you need a right to use the industrial design of the licensor’s product or technology? If the design is part of the commercial value of the product, make sure that this subject is covered.

Do you need the right to copy and distribute technical or other documentation related to the product or technology to users or others?

Do you need training, know-how or consulting from the licensor? (See Cluster 4, Issue 4.2).

## CLUSTER TWO: WHAT KIND OF RIGHTS DOES THE LICENSE GIVE?

### 2.1 What is the scope of rights?

Once you have determined the issues in Cluster One and have a clear understanding of WHAT you wish to license in or license out, **you will need to reflect on what you need to be able to DO with the IP/technology** in order

to use it effectively in your business. This is referred to as the **scope** of the license. A license with broad scope gives you a great deal of flexibility. A license with a narrow scope will be less flexible but probably also less expensive. (See Cluster 3 below on financial terms).

An IP license includes several different “grants” of rights depending on the needs of the parties. These may vary as well depending on the IP laws that apply to the agreement; those listed below are representative of typical IP grants.

These grants may include the right:

- to reproduce the technology;
- to display it;
- to modify it;
- to make derivative works from it (making new versions or entirely new products or technologies by modifying and enhancing);
- to use it (for research and product development);
- to make it or have it made (for manufacture by licensee or contractor);
- to distribute or sell it;
- to import it; and
- to sub-license it to another who can do any or all of the above.

Sometimes these are referred to as patent grants (make, use or sell) or copyright grants (reproduce, modify, make derivative works, distribute), but it is not essential to divide them in this way. **The main point is what use does your business need?**

Perhaps your business only needs the **right to distribute the technology in its existing form (e.g. a distribution license** for a commodity product). Or, at the other end of the spectrum, perhaps your business model requires your engineers to make fundamental changes to the licensed technology, create new versions, and distribute these new versions to groups of sub-licensees who will also have the right to reproduce and customize the technology.

In either event, it is essential to decide: **what do you need to be able to do to the IP or technology in order to reach your business objectives?** You will need to review this list of grants and decide—together with the technical experts in your business—what rights are needed in order for you to take advantage of the business opportunity presented by the license. A license agreement is a very flexible business tool; the license may cover only part of a single IP right (e.g. the right to make a product covered by a patent, but not the right to have it made by others; or the right to reproduce a specification, but not to modify it).

Do you need the right to use it for research? **A right to conduct research and use technology internally is very limited without a right to make and sell products based on it.**

**Consider carefully whether your business requires the right to modify it and make new related products and/or technologies from it.** For example, will your technicians and scientists tell you that they must modify a formula or software or a design in order to use it with your systems and technology? This is often called “porting” technology to another “platform”. Even if they say only “minor modifications” need to be made, this can be important and must be dealt with in the license.

With respect to any modifications, **who will own these modifications?** Will the licensor have a right to use the modifications and derivative works made by the licensee (grant back)? If the license scope includes a right to modify, enhance, make derivative works, or improve an invention, even if the changes are minor, you will need to state in the agreement how the IP ownership of these modifications and improvements will be handled. (See Cluster 1, Issue 1.3 above).

Do you want to be able to **sub-license the technology** in its original or modified form to other persons? This is a difficult issue that is often not foreseen. Are there other entities that will have to be involved in preparing your product and who will also need to have a license to the technology (e.g. research and development partners or distribution partners)? Will they need the same scope of rights as you have? From the licensor’s point of view, it is a good idea to limit sub-licensing of important technologies because **broad scope sub-licensing risks loss of control and accountability for the technology.**

## 2.2 What is the territory?

Intellectual Property rights are often territorial. In what country or region do you plan to use the technology? If you are going to make products from the technology, where do you plan to manufacture? Where do you plan to sell? Do you plan to export the technology or products incorporating such technology? In what territory will you distribute the technology or products? **The license agreement must specify whether your rights are worldwide or limited to a designated country or countries, region, or other territory.**

For trademark licenses, where do you plan to distribute products bearing the mark or logo? The license agreement should be clear that you have the right to display the mark “in connection with” the sale of products throughout the territory.

For products that are to be distributed on the **Internet or in digital form or by electronic means**, it is important to specify in the license agreement that you have the right to distribute the product or technology in electronic form and on the Internet.

## 2.3 Is there an exclusivity commitment?

This is a complex issue where it is sometimes difficult to reconcile the interests of the licensor and the licensee.

In order to make your use of the technology profitable, do you need to have the exclusive rights to make, use, distribute, etc. (See 2.1 above) the technology or products containing it in a particular territory (See 2.2 above). If you are the licensor, is the potential licensee insisting the he or she requires exclusive rights in order to commercially exploit the technology or product? If so, in the negotiation, you will want to ask for **information and documentation that justifies this argument.**

Generally, from the licensor's point of view, an exclusive license is not desirable, because it restricts the licensor's freedom to do business with other licensees. Also, if the exclusive licensee fails to make good use of the technology, the result may be that the technology does not become commercially successful. The licensor is "putting all his eggs in one basket". However, there are a number of situations when an exclusive license makes business sense.

**Exclusive licenses are often considered where the licensee must make a substantial investment** that cannot be used for a different purpose (e.g. custom equipment, hiring specialized labor, committing resources to development of the technology, setting up a business in a new territory) in order to commercially exploit the technology. Whether an exclusive license is the only way to deal with these considerations depends on the financial projections of the licensee. How much money does the licensee need to make in order to amortize its investment and make a profit? If the licensee cannot make a profitable business from the license when he or she must compete with other licensees, an exclusive license, at least for a period of time, may be justified.

If an exclusive license is justified, the following are **strategies to limit some of the negative aspects of an exclusive license:**

- The exclusivity of the grant may be made dependant on the licensee achieving certain minimum royalty payments or product sales.
- The exclusivity need not last for the same term as the agreement and can be limited to a shorter time period during which the licensee can establish its business (a "head start" provision).

- The exclusivity can be for only some of the grants of the agreement or only with respect to certain technologies. Or the license grant can be exclusive only within a specified "field of use" (e.g. an exclusive right to use the XXX technology in Ethernet based analog devices).

Keep in mind that exclusive licenses may be illegal, or subject to legal scrutiny, in some countries.

Related to exclusivity terms are **agreements not to compete or not to acquire or use competitive technologies.** Such provisions are sometimes illegal under national laws. They are also generally undesirable for licensees because they limit the licensee's ability to consider and develop alternative, possibly superior technologies.

### CLUSTER THREE: FINANCIAL TERMS

#### 3.1 How much will the licensee pay for the use of the technology?

The financial terms of the license are often the first topics that are discussed when thinking of licensing.

However, as can be seen from the above discussion, the financial terms in a license depend on how you have defined the subject matter (Cluster One) and the scope (Cluster Two).

One of the reasons why licensing is very different from sale of a good is that the price is not necessarily the most important term, because so many other important terms are involved each of which can have a drastic effect on value. For example, when you buy a CD, you probably know what you are buying and you probably know what you can and cannot do with it. You also know what the price should be because the markets for that CD are public. By contrast, in a license for rights to the contents of the CD, or the technology used to manufacture it, the price you pay will depend upon whether you are negotiating the rights to all the content on the CD, and whether you want to reproduce, manufacture it, modify it, distribute it, or only listen to it. Or you may be licensing the packaging or design, or the

patents affecting sound quality. There will also be many different business elements related to the license. The many different IP aspects of the CD will present options for transactions that are as different as night and day. Also, the financial information on the value of the IP rights in the content is probably not public. For all these reasons, purely theoretical discussions of valuation methodology in technology licensing are not of much practical utility.

So, as a practical matter, how do you approach the question of valuation in a technology license?

You will need to consider the value of the IP license in the context of all the other related transactions: the financial terms will vary depending on whether there is only an IP license or also a manufacturing and purchase agreement, a marketing agreement, a distribution agreement, a joint venture, etc. As pointed out in Issues 1.3 and 2.1 above, the IP license is usually only a part of a successful technology licensing agreement.

Practical valuation also depends on whether you are the licensor or the licensee.

**LICENSEE PERSPECTIVE:** If you are the licensee, in deciding your position on the financial terms, **the first thing to assess is whether you can afford the cost that the license will add to the product or technology you are going to sell.** In other words, the first question for a licensee, is:

- how much can I afford to pay for this license,
  - given the other costs that I will incur,
  - considering the price that I will charge for the product,
  - in the context of my assessment of what the market will bear?

This practical calculation is often not done until late in negotiations, leading to wasted time and energy as well as disadvantageous agreements that are simply too costly for the licensee. **It is better to start with this practical calculation of cost of goods sold than to begin by asking the abstract question of “how much is this technology worth”?**

**LICENSOR PERSPECTIVE:** If you are the licensor, you should know early in the negotiations the amount of money that will give you a return (profit) on investment in research and development of the technology. In other words, what deal do you need to make the whole project worthwhile? This may seem obvious, but many a licensor has become lost in the details of licensing discussions, only to find that the final result is an agreement that does not serve the licensor’s objective of obtaining a sound financial return on the investment made in the IP development. In some cases, this may be intentional, as where the licensor is seeking to promulgate a technology standard, and anticipates losing money in the initial stages of a licensing program, but in other cases, this result occurs simply from lack of careful reflection on the financial terms during the preparation stage. Valuation methods are used to assist both the licensee and licensor in making these fundamental assessments.

There are several methods that are often referred to in order to value a technology. You should know what these are, but keep in mind that they are all subjective and not exact methods. Also, more than one method can be used and they can be combined. These methods are, at best, only rough guides, and common sense must always be applied. The three classic methods include:

### 3.1.1 The cost method

This is simply calculating how much the licensor has invested in developing the technology and the IP. Here the distinction between the IP and technology is important, as the patent or other IP itself may be all that is licensed so valuation based on the entire historical cost of technology development may not make common sense. Other common sense factors that affect how the cost of the IP is recovered relate to the licensor’s other ways of recouping his investment and gaining profit—he may have other licensors, or may be marketing the technology himself. Also, the mere fact that the licensor has spent a great deal of money does not necessarily bear any relation to the value of the technology to the licensee. Perhaps the licensor

spent too much on R&D, or poorly conceptualized the relationship of the technology to the market. Finally, the cost approach is difficult because all of the licensor's statements about his or her investment may be perceived as self-serving by the potential licensee; how does the licensee know that the licensor is accurate and telling the truth? The potential licensee does not have access to the licensor's cost documentation, and if they are competitors may not want to know in order to avoid allegations of anti-competitive behavior. To sum up, the cost method may help the licensor in assessing his situation, but it's not likely to be persuasive to a potential licensee.

### 3.1.2 The income method

This method involves calculating how much the parties expect will be earned by the technology that is to be licensed and then dividing this up into percentages based on some notion (inherently subjective) of how much each party deserves based on its contribution to the technology, the stage of development of the technology, market risk, marketing, inherent value, strength of the patent against litigation attack, and many other factors. Some licensing professionals refer to a "rule of thumb" or rough measure which provides that the licensor should receive around one quarter to one third of the benefits accruing to the licensee. It must be emphasized that this is so flexible a "rule" as to be almost useless. Many, if not most, licensees charge between 0.5 and 5 percent of revenues. The income method is a useful tool in figuring out a lump sum payment, where the parties need to envision the long term value of the license, and then discount it to net present value.

It is useful in some cases to retain an accountant to develop income or net present value calculations which can be proposed and discussed in the negotiation of financial terms. One should not be surprised, however, if the other side is not impressed by these calculations or offers widely varying figures. Discussing such figures may simply be a way to initiate a constructive discussion on the future value of the technology to both licensor and licensee in the practical crucible of the marketplace.

### 3.1.3 The comparables or market method

This is what you do in shopping in a grocery store where you examine the tomatoes and compare them with the tomatoes you saw at another market. You are willing to pay a certain price for tomatoes of like quality.

However, technology value is more complex and involves more unknowns than buying a tomato. It can be helpful to generalise and refer to industry norms and publications specific to the technology at issue. There are businesses that specialize in amassing royalty data. It is often possible to find articles or other resources concerning royalties or fees paid in similar transactions or involving similar technologies or similar scopes of license or involving similar regions, etc. The problem is to find a license or transaction that is comparable in all these respects. The technology may be similar, but the scope of the license may not be comparable, and so on. There is also the reality that not all IP is equal; a very strong and useful patent accompanied by a trademark license and an expert consulting contract will be more valuable than a pure IP license involving a weak patent that is currently subject to litigation and that can easily be worked around by a competitive inventor. The fact that these technologies are in the same technical field will have limited meaning in terms of valuation.

In addition to looking at the classical valuation methods, both parties will need to examine the practical realities of their respective businesses. For example, one question, very important for a licensor, is what the impact of a license agreement on the licensor's own sales of product will be. Licensing means introducing competition in one's own backyard. This can be good because it expands the market for a technology and may help establish a platform, bring in revenues that are not otherwise achievable, and may bring many other benefits to the parties. But the licensor must ask himself the question of whether it is in his interest to share the technology, and if it is, how will such sharing affect existing revenue streams from the technology or products incorporating that technology. This factor is sometimes called "cannibalization" meaning that the licensor may wish to consider whether the licensee(s) will eat him alive by reducing his profit margin on products that he currently sells. Thus, in a cannibalization situation, the increased revenues to

the licensor because of licensing are more than offset by the decline in the licensor's profit margin because of the existence of new competition that may be able to sell at a lower price.

It is apparent that IP valuation is not a science but a practical calculation based on examination of many questions. Only after these basic questions are asked, should the parties consider the form in which the payment will be made. (See below, Cluster 3, Issue 3.2).

### 3.2 How will the licensee pay?

There are two types of payments that are common in technology licensing: royalties and lump sum payments. These can be combined in different ways and taken together should reflect the fundamental calculation made in Issue 3.1, above.

Royalties may be based on per unit sales, a per unit royalty whereby the licensee pays a set amount for each unit of product sold. Alternatively, the royalty may be a percentage of revenues from products sold or sub-licensed that incorporate the technology.

Royalties may be assessed based on gross or net prices or revenues (after subtracting various costs such as shipping, customs) but it is important to specify exactly how the royalty will be calculated, including providing sample calculations in an exhibit to the agreement.

The licensee will often want a provision **"capping" the royalties** that must be paid to the licensor. This means that the licensee will pay X percent of his product sales up to a certain fixed amount. This "cap" may be renewed annually or may be over the life of the agreement. The licensee likes a cap because it gives him the prospect of using the technology "free" after a certain period of successful sale of the product incorporating the licensed technology. Also, it creates a more certain business model—the licensee knows what he will be paying. The licensor does not like caps because it limits his "upside", his chance of gaining royalties substantially in excess of his investment in the technology.

The opposite of a cap is a **"minimum"**. Just as the licensor does not like a cap, because it restricts his upside, he does like a minimum royalty because it limits his "downside". In other words, even if the technology or the market is disappointing, he is guaranteed a certain minimum royalty. Minimums are often used when the license is exclusive. (See Cluster 2, Issue 2.3).

**Royalties may also be adjusted** according to a number of variables, such as time or product sales or revenues. So, for example, a royalty may begin at 2% of the average sales price, but decrease to 0.5 percent over the life of the agreement, reflecting the declining value of the technology. Or royalties may be adjusted according to product sales, with a higher royalty to be paid if the volume of sales is low.

**Lump sum payments may be used instead of, or in addition to, royalties.** A lump sum payment may be made at the beginning of an agreement or at a later stage. Such payments may be in installments. Installments may be timed to coincide with development milestones. (See Cluster 1, Issue 1.2).

**Lump sum payments may also be "advances" against royalties.** Where the licensee is in a stronger financial situation than the licensor (e.g. a start-up licensor with a new technology) sometimes the licensee will pay an advance at the beginning of the agreement to get the licensor started in business or to bridge a difficult financial situation, or to enable it to pay engineers, chemists, etc. to conduct further development of the technology. (See Cluster 1, Issue 1.2). This advance can be offset against royalties that the licensee would otherwise have to pay the licensor, until such time as the advance (in effect a loan) is paid off. In such cases, parties will often debate who owns the resulting technology: does the fact that the licensee advanced the funds justify that it should own the IP? Or is it more significant that the advance was merely a loan that is repaid when royalties begin to accrue?

### 3.3 When to use cross licenses and covenants not to sue?

Cross licenses are where neither party pays the other from the license rights, but rather both parties exchange license grants of approximately equal

value. An example of this is where the parties both have patents that may be infringed by the other party's patent. They agree to exchange these rights, so that neither party can sue the other. This right may extend to the customers and distributors of each party. This is, in effect, a "truce" agreement where the financial value that is exchanged is the value of the royalties that each side gives up. This type of license may be called a "covenant not to sue".

In entering into such an agreement, it is important to recognize that it is a financial agreement like any license agreement, because you are agreeing to relinquish your right to collect royalties for your IP from the other party and, in most cases, from his customers and distributors.

On the other hand, such agreements are often the basis for business partnerships and joint ventures that may lead to profitable exploitation of the technologies of both parties.

### 3.4 What are performance/warranties/indemnities?

Although the issues related to warranties and indemnities can be legally complex and the drafting of such provisions can challenge the most adept expert, it is simpler to think of these issues as essentially financial ones. Considered in this way, the issues are:

- Who will bear the financial risk of a product or technology defect?
- Who will bear the risk of a defect in title to the product or technology?
- Who will bear the risk that a third party will bring a legal action claiming that the technology or product infringes his patent or other IP?

The first of these questions relates to the nature of the technology to be licensed. Warranties are often used to address problems that are more appropriately treated in the context of subject matter definition. (See Cluster 1, Issues 1.1 and 1.2) or changes to the technology over time (Cluster 4, Issue 4.1). The sort of issues that arise include: Who is responsible for

defects in the functioning of the technology? Who will pay engineers to deal with software bugs or non-functional hardware? Is there a guaranteed "uptime" for web-based products? For biotech technology, what functions must the technology perform? Who will be responsible for property damage or personal injury? With pharmaceutical products and technologies, such liabilities can be substantial. All of these are technical questions and even with the best thought-out product technology, problems will always arise. **The issue then is deciding who will pay the expense and assume the responsibility for handling these?**

The other two aspects of warranties raise the question of who will bear the risk of legal and business expenses should there be a question about the originality or ownership of the product or technology. (See Cluster 1: Issue 1.3 re ownership).

There is no set answer to all of these questions. Nothing is "standard" or "customary". Of course, the licensor wishes that the licensee should bear the risk. The licensee argues that the licensor is responsible for knowing how his product works and who created it and whether its IP is infringing. From the licensee's perspective, it is generally riskier to assume these risks if the product is new, complex, customized, or in a controversial, highly competitive area. Commodity products or distribution licenses of products that have been licensed out for years generally raise fewer risks. Often, a license agreement will include a representation that no claims have been made. This may or may not give the licensee comfort that none will be made in the future. In this area, as in others, it is essential to work with legal counsel to assess the financial risk, develop a sound position, and draft precise language.

### 3.5 How does licensing relate to financing of joint ventures and corollary activities/pricing of products?

Generally, a licensing agreement is in the context of a larger business relationship. The license agreement may include or be accompanied by an agreement whereby one of the parties seeks investment or financing. The parties may also envision a supply relationship where the licensee agrees to

provide access at preferential pricing to products developed and manufactured using the licensed technology or IP.

Do the parties anticipate agreements related to manufacturing or distributing products based on the technology? Do the parties anticipate investment transactions in which one party pays money in exchange for equity or IP or other assets?

**In such cases, it is important to think through these related relationships and, to the extent possible, clarify and reach agreement on the terms of such relationships in advance. This clarification and written agreement should occur before beginning work on technology development or product development based on licensed technology.** The reason why this is important is that an agreement on an IP license may or may not be satisfactory if ultimately an agreement on investment is never reached. Does the licensor need investment or financing as part of the agreement in order to complete development of the technology? Conversely, does the licensee need financing in order to exploit the technology? Does the licensee need funding in order to exploit the commercial opportunities of the technology? Does one or do both parties expect that stock or warrants will be issued by the other party in its favor?

Similarly, if access to products at discounted pricing is an important part of the bargain for one or both parties, it is desirable to address this issue and attempt to create a pricing agreement or formula at the same time as the license.

**The successful license negotiator must think broadly as to what other agreements are important to put into place in order for the overall business transaction** (not only the IP or technology license) to be financially advantageous. Good financial terms on an IP license may be spoiled if it turns out that other agreements that are necessary are too costly.

#### CLUSTER FOUR: TECHNOLOGY'S GROWTH AND DEVELOPMENT OVER TIME

#### 4.1 Will the licensee receive rights to future releases, versions and products?

The licensee will be concerned that as soon as he licenses in a new technology, the licensor may come out with another release, version or product and offer it to a competitor of the licensee. Or he may understandably be concerned that the licensor's new offering will render the "old" licensed technology product obsolete soon after he has made an investment in it. The licensee wants ideally to receive broad rights to new variations, improvements, and related technologies. The licensor wants to limit its commitments to the licensee because, for the sake of the health and vitality of its business, it must be able to innovate and change directions and technologies in the future.

**It is important to clarify: will the licensee have rights to future versions of the technology or product?** In a pure IP license, it must be clear whether the licensee will have a license to improvements or derivative works.

Generally, licenses address these issues and refer to releases, versions, and new products or other terminology appropriate in the trade to describe improvements and related new technologies, inventions, works, and products.

Will such versions or new products require additional payment? If so, is it possible to fix the payment at this time? Often it is not possible to anticipate and negotiate payment for new versions and developments. In such cases, it is not possible to enter into an agreement for such future developments.

**Avoid agreements to agree in the future,** as generally such commitments are not enforceable in the absence of a clear financial agreement.

Another issue that arises is whether the licensee has access to all future versions at the same time as other licensees. Agreements often provide that the licensee will have **parity access**, meaning access at the same time and on comparable terms to new versions and developments.

#### 4.2 Are service and support/spare parts included in the license?

Will the licensor provide service and support in the use of the technology or associated products? Will the licensor provide assistance in monitoring and servicing the licensed technology? For example, in web-related technology, will the licensor be required to respond to emergencies in which web access fails? Will a certain number of staff be devoted to correcting bugs, bringing systems back to operation, fixing defects, and so forth?

Will service and support cost extra? Is there an annual service/maintenance fee? Sometimes these issues are addressed in a separate service agreement.

If a product is being developed or manufactured by one of the parties, will the product need spare parts over time, and if so, what provision will be made for the manufacture and/or purchase of spare parts?

#### 4.3 How to deal with documentation, know-how, consulting and training?

Often the parties will focus so hard on the IP that is to be licensed that they neglect **the non-proprietary information that will be exchanged between the parties**. For example, a new licensee may require assistance from the licensor in terms of know-how, training and consulting to make the technology or product practically useful and functional. It is important to determine:

- Does the licensee need help from the licensor in terms of written documentation or materials that help him understand how to use the technology?
- Does the licensee need the know-how of the licensor in order to exploit the technology?
- Does the licensee need or desire to have licensor personnel available to work with its employees?
- Who will own any IP results of such joint work? (See Cluster 1, Issue 1.3).
- Will the licensee wish its employees to be trained by the licensor in the use of the technology? If so, how many hours?

#### 4.4 What special terms relate to the future relationship of the parties?

Is there a non-compete provision whereby one party demands the other's agreement not to work for competitors? Such restrictions are illegal in some national jurisdictions. They are, in any case, to be avoided because they restrict the ability to negotiate alternative business relationships.

Sometimes parties will agree not to solicit or hire each other's employees. These can be important provisions especially where the human capital of one party is very important to its success.

The above list is not exhaustive, but it is an overview of important issues.

Work with your team to see which apply to your case. Work through the pros and cons yourselves before moving on to the next step of negotiation with the other side. Review terms in advance of negotiation with legal counsel.

## IV. CONDUCTING THE NEGOTIATION

### The Advantage Continuum

Technology licensing negotiations are complex because there are many key terms and because for each key term there are many possible positions that may be taken, from the most advantageous to the least advantageous. **The negotiator has the difficult task of keeping in mind many different key terms and positions, dealing with technical subject matter, and constantly assessing the way the key terms affect the business objectives of the license.** The following continuum represents the range of positions for each key term.



The goal of the negotiator is to stay as much as possible on the right side of this continuum with respect to *each key term*, while recognizing that the other side will attempt to achieve the same goal with respect to the *same set of key terms*. Despite the apparent contradiction in these goals, success is possible in many cases because both parties do not have identical business objectives with respect to the same key terms. What is advantageous for one party is not necessarily disadvantageous for the other party with respect to any given key term. In other words, negotiation could not succeed if there were only one key term with one continuum from advantage to disadvantage. However, the reality is that in any technology licensing negotiation there are actually many key terms, each of which has a continuum from the most advantageous position (5) to the most disadvantageous position (-5), with several variations in between.

**It is this multiplicity of positions that makes negotiation complex and also that makes it possible to reach agreement.** Adding to the complexity is the fact that some key terms are more important than others for your objectives, so that a high number on that key term may weigh more than on another key term. A negative number on that key term will likely indicate that the position is an unacceptable one.

### Fall-back Positions and Compromise

With respect to some key terms you will have fall-back positions that reflect an advantageous position that is less than optimal, but still acceptable in terms of your objectives.

Or where there is a direct conflict between the goals of the parties with respect to a particular term, that term is not so important to either party that a “compromise” on a key term is impossible. **You may decide to accept a compromise with respect to a certain key term, that is, take a position that is not advantageous (a negative number in the above continuum), but that is acceptable in the context of positions taken on other key terms.**



**Example:** It may be most advantageous to obtain a license to all the IP related to a product that you wish to manufacture and sell. It may also be ideal to obtain a perpetual term. However, as a practical matter, you may only require a license to one aspect of the technology or only one patent because you do not intend to commercially exploit all aspects of the patent. And the term may be limited to five years because as a practical matter, you will not need the license beyond

that time period. An acceptable fall-back position, which can be offered at some point in the negotiation, may be to limit the scope of the license to what you need and only for the five-year term. On the other hand, you know that you will need the right to modify the technology because without modification it will not work with the technology that you already have and the other party is unwilling to assist you by making the necessary modifications. This key term, then, is very important. A fall-back position might be to offer that the other side will have IP rights to any modifications that you make to the technology. In that case, it will be important to assess whether your enterprise's competitive position could be harmed by others having access to the modifications that you make. If yes, the license may not be worthwhile in terms of your objectives and a successful conclusion may be to withdraw from the negotiation after attempts have been made to explain your needs and requirements to the other party.

It is sometimes useful for a team to use a numbering system as an *internal* tool in a negotiation; assigning numbers to various key terms and summing the numbers based on the entirety of the term sheet may help the team sort through difficult decisions in a thoughtful manner. However, these sorts of systems can become too mechanical and the negotiators may become unable to think analytically about the advantages, disadvantages and, most important, practical consequences of positions on various key terms.

### Failure Can Mean Success

In some cases, the parties' bottom line positions on key terms will conflict. In that case, the best outcome of a negotiation may be withdrawal from the negotiation, and where possible, withdrawal to an alternative solution or party. **Withdrawal from negotiation is not equivalent to failure.** The negotiating team may make a decision that the negotiations cannot succeed except at the sacrifice of the important objectives and bottom-line positions of the negotiations. Such a considered decision must be deemed a business success, rather than a negotiation failure. Conversely, the decision to persist

to the conclusion of an agreement because of the negotiator's personal involvement or commitment to the negotiation process, where objectives and bottom-line positions cannot be achieved, must be considered a failure.



### How Adjustments and Changes Can be Made

In many cases, you may adjust your perception of the variations available with respect to a key term. This is often because you learn new facts. A position that was not at first evident, a creative opportunity, may become apparent during the course of the negotiation. Sometimes, this is called "thinking out of the box" and refers to using imagination to get around a stalemate where the parties cannot find a compromise on a key term. **Be wary of finding creative alternatives on the spur of the moment, especially when you are tired or are in the heat of personal interaction in a negotiation session.** Given careful preparation, the term sheet should reflect a good assessment of the continuum of positions on each key term, so that surprise solutions should not be expected.

### The Myth of Negotiating Style

The commonly held belief that negotiation is influenced by negotiation style in a battle of wills or style is a myth that leads to mistakes and wasted energy in negotiation. **Always enter a negotiation with the assumption that the other side's team is as resolute and as skillful as you are.**

As is evident from the discussion in Sections I to III, successful negotiation requires you and the team to make constant mental reference to the positions on the key terms, and to make frequent use of the term sheet as a guide.

Your ability to analyze and recall the relationship of the key terms to your business objectives will dictate the success of the negotiations. This is true for three reasons.

**First**, you will know your position and the possible fall-back positions and compromises.

**Second**, successful negotiation involves being able to explain your enterprise's needs and objectives to the other side at the appropriate time in a clear and convincing way. Given the solid preparation you will have because of the term sheet, you will be able to give this explanation cogently.

**Third**, thorough preparation will increase your confidence and project competence. You will not have to raise your voice for the other side to know that you mean business. Your evident understanding of the needs of your business will show that in the most effective manner.

**The single best determinant of a successful negotiation team is thorough preparation through use of a term sheet involving a complete understanding of the positions of both sides as to each key term, as well as an assessment of the leverage of each side in the negotiation.**

### How to Start the Negotiations

**It is useful to start with a preliminary meeting.** This is a meeting where you attempt to reach procedural agreements that will help make the negotiation a successful experience for both sides. You may present and sign confidentiality agreements. (See Section II, H). You will also use the preliminary meeting to introduce the other side to your business objectives and likely positions on the key terms.

Discuss and decide upon a negotiating schedule and deadlines. Discuss and decide whether the negotiations will be in person, by correspondence, all at one time (over a period of days) or spread out over a longer time period.

Generally, if there is a business deadline (e.g. R&D must begin by a certain date) it is best to agree to negotiate in person over a period of days.

In a low-key and informal manner, introduce the other side to your business objectives in seeking to enter into the license and invite the other side to do the same. Of course, neither party will disclose detailed business information, nor is it appropriate at this stage to discuss the key terms in detail. However, an overview of your objectives (e.g. "our company is interested in this technology because we see it as an opportunity to manufacture and distribute XXX in Y market which is currently not being served") will help set the framework for the negotiations.

Offer the other side a copy of your term sheet (an external version, drawn up to delete any references to negotiating positions or other internal information) at the beginning of the negotiation. You can informally explain the term sheet and, at that time, you will explain why certain key terms are important to you. In essence, you are introducing the other side to your business objectives in the license (your framework). You may refer back to this framework later in the negotiations.

### Where and How to Hold the Negotiations

If there is time pressure in completing the negotiation, it is important to hold it in person over a period of days. Negotiations that are interrupted and then carried on by correspondence tend to be protracted. **So an in-person negotiation in which both sides agree on time goals and deadlines works most effectively to get closure.**

The location of the negotiations is not critical. However, it is important to have access to the materials you have collected (see Section II, D) and the members of the team. The location must also be comfortable, close to eating and toilet facilities. It is useful to have a portable computer in the room to keep notes and to consult the term sheet and, eventually, the contract draft.

### How to Discuss the Key Issues

In the second session you begin to discuss the key terms. There is no special procedure for doing this. Some negotiators prefer to go through all key terms first and have general discussion without seeking closure. Others prefer to go through each key term in order and try to reach agreement on each in that order. If agreement cannot be reached, then it is often useful to continue through the term sheet to see what agreements may be reached and then return at the end to the difficult issues. Some negotiators will wish to start immediately with a contract draft; if at all possible avoid this as it is often a stratagem to control the framework of the agreement and to apply pressure to gain advantage on key terms. **Try to persuade the other side of the advantages of beginning discussions with a term sheet as a tool for both parties to clarify the issues.**

Each party presents his or her position with respect to a key term and explains why it is important to the achievement of his or her side's objectives. Tactics that involve simple assertion of a position and a demand for agreement are seldom effective unless there is a great inequality in leverage. Similarly, it is not persuasive to assert that a certain provision is "standard" or "customary", as there are many variations for each term in technology licensing. For this reason, it is useful to refer back to the preliminary meeting where you explained the framework—your business objectives and needs. That way, your positions are seen as reasonable and coming from your business needs, as opposed to appearing arbitrary and based on a contest of wills. Of course, the fact that you have asserted your business objective does not mean that the other side must agree to your position. However, a good framework does make your position clear and reinforces your commitment to the position. It also establishes, with a professional negotiator, a rapport that makes it difficult for him to continually demand that you accept positions that are not consistent with your business objectives.

It is also essential to listen to and understand the other side's explanations of its positions. Ask how the other negotiator's positions refer to his or her business objectives, his framework. That way, when a specific issue arises you may be able to respond to the issue by showing that a particular solution is consistent with both parties' business objectives.

It is not possible or desirable to explain everything about your business objectives. However, some reference to your business objective is often helpful.

### Write Down Progress and Take Notes

In a multi-day negotiation, you may wish to exchange notes or keep track of tentative agreements by updating the external version of the term sheet and giving the other side a copy the next morning for their review.

**When you make progress on a key term, it is often useful to restate the parties' positions and write them down.** If what appears to be a real agreement is reached, it is important to write this down in note form. In protracted negotiations, keep a log of what discussions are held and what tentative agreements are reached.

The parties work through the term sheet, reach tentative agreements on key terms, and modify the term sheet as they go along. Taking breaks is important. A team member uses a portable computer to take notes and write modifications. Some issues may need to be deferred if agreement cannot be reached, and it is often helpful to turn to other issues to see what progress can be made. After the term sheet is modified and the parties feel that there is a basis for moving to the contract draft, do not sign the term sheet. Move on to the drafting stage.

## The Role of Lawyers

Ideally, it is important to involve lawyers from the beginning of the negotiations until the end. If this is not possible, it is essential to communicate frequently with legal counsel, to use the term sheet, and to have a thorough legal review before drafting the contract and during the drafting process.

## How to Close the Deal and Draft the Agreement

If the parties have worked with a term sheet, and have recorded tentative agreements, the drafting of the agreement should, in theory, not be difficult. Do not sign the term sheet. Many standard forms exist for technology licensing agreements and legal counsel can work efficiently to prepare the agreement from the term sheet.

With respect to key terms make sure that you have reached agreement, not merely agreement to agree at some point in the future. An agreement that does not cover the key terms may not be enforceable. Also, lack of clarity on key terms often leads to business conflict.

Remember that an agreement that is not signed by both parties is not an agreement except in limited situations. A common error to be avoided is thinking that a negotiated written document is “enough” to start performance even though one or both parties have not signed.

## V. USING THE SIGNED AGREEMENT

Once you have signed the agreement, have a celebration with the other side because you are starting a business relationship. **The agreement is only the beginning.** Do not put the agreement in a locked file and throw away the key. The agreement is an important guide to what should happen in a complex, technology-based business relationship. In non-technology agreements, the terms may be simple and memorable (e.g. I will pay you \$5 a widget). However, technology licenses and corollary agreements are generally more complex and often impose important conditions, the violation of which can create legal liability and business mistrust.

All executives and managers who work with the other party should be aware of the license and its terms. For example, if you have agreed to license in a piece of software and you do not have the right to modify it, make sure that the engineers who work with the software know this. If you have a patent license to a medical invention and you are not permitted to sub-license the rights to the patent, make sure that business development personnel know this and do not violate this provision unknowingly.

Agreements often have important dates that must be recalled. For example, if one party has agreed to invest in the other based on the attainment of certain milestones, or if warrants can be issued by a certain date, these dates must be tracked. It is also important for someone in the enterprise to keep track of deadlines for delivery of technology prototypes, software, documentation, and so forth, as well as deadlines for research and development of IP enhancements. Finally, technology licensing generally involves payment of recurring royalties. If you are the licensor, you will need a system to keep track of payments and monitor royalty recovery. There are businesses that specialize in providing this service if you are not equipped to do so. If you are the licensee, you will need to keep track of royalties due and maintain adequate documentation.

There are other key terms that require on-going attention and reference to the agreement after the signing of the agreement. It is advisable to review the agreement and identify such terms and assign responsibility for tracking each one.

Finally, the agreement will usually have a termination, expiration, or renewal date. You will want to refer to the agreement at that time to see what key terms have been advantageous and which should be revised if you will be renewing the license.

Note that this document is not intended as a substitute for legal advice. It is essential in any technology licensing negotiation to retain legal counsel. This list will familiarize you with the issues so that you can communicate effectively with your legal counsel.

## APPENDIX

### Sample Internal Term Sheet

(FOR INFORMATION ONLY—NOT AN AGREEMENT, FOR TEAM USE ONLY)

Name of potential licensor (or licensee) and contact info:

Name of team members and contact info:

Technology to be used in (name of product and/or product line):

Important dates and deadlines (e.g. manufacturing start, press release. Has development, manufacturing, or distribution already commenced in advance of the agreement?):

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1. Subject matter (use specification, technical description, patent numbers, name of a work, trademark, etc. Are any standards applicable?):
2. Ownership (check ownership):
3. Related agreements (development, consulting, training, purchase, investment, service, etc.):
4. Development (Is the technology completed? Is it fully functional? If not, who will complete development, do further research, do prototypes, correct design flaws, etc.):
5. Scope of license (What rights are being licensed? Non-exclusive or exclusive? Make, use, sell, make copies? Distribute?):
6. Derivative works, improvements (Will licensee have right to change the technology or make new products based on the technology.):
7. Sub-licensing (Will licensee have right to sub-license? If so, what rights will sub-licensees get?):
8. Geographic territory (Where can the licensee use the license?):

9. Field of Use (Are technical fields limited?):
10. Financial (What fees are to be paid to licensor? What royalties? Other payments? Any warrants, stock? Any minimums on royalties? Any caps on royalties? Advances by licensee? How to pay back advances?):
11. Term (For how long will the agreement last? (term of agreement). Does this depend on events?):
12. Future versions (Is there an agreement on license rights to future versions of the technology? Related products?):
13. Obligations (What obligations should the parties have other than the license? (e.g. testing, marketing, clinical trials, meeting standards, etc.):
14. Disputes (Where settled? Who indemnifies against risk from 3<sup>rd</sup> party claims?):

